

BOOK No 6

JK

H. A. ALLARD.

FIELD
COLLECTION
NUMBERS

7448-8777

Sept. 23 and 24. To Woodstock, Va., with T, and North Mt., west Va., up, leaving from Trout Run to Aviation Tower, and on Sept. 24, west of the power line leaving between Woodstock and Strasburg, over North Mt., into valley beyond, thence to 55 highway to Strasburg, Va.,

Oct. 4, 1939. To High Point and west slope from Castella's with Dr. E. C. Leonard of U. S. Nat. Museum.

October 8, 1939. To Bull Run Mt., Va. with D. & T. Cover area from a line west of White Rocks (north of Hafecell Gap) to highway to Halfway (west) and to a line about $2\frac{1}{2}$ miles north, and east to foot of Bull Run slopes.

October 14-15¹⁹³⁹ To Devil's Hole Mt. south of roadway from abandoned CCC camp on top of North Mt., west of Edinburgh, and to south end of Short Mt., with D.

October 22, 1939. To Hafecell Gap and area on west slope of Bull Run Mt., below High Point with T.

October 29, 1939. To Bull Run Mt., Va. covering area at foot, west slope, of High Point ridge and cliffs scarps, with K.

November 12, 1939. To Bull Run Mt., with T. Covered area from Castella's quarry spring along west slope of High Point ridge and top of High Point cliffs.

See # 8733. *Carep leptomeria* - near to W. Va.

Allard, H. A. Va., W. Va.

1939-1941

Book 6.

Field Notes nos. 7448 - 8777.

8466a Hood purple with short stripes
aff. f. zelindum

8466b. Hood purple with still longer stripes,
= closer to f. zelindum.

8466c = Hood purple, stripes long as hood,
but narrow and purplish; very near
f. zelindum.

8466d = Arisaema triphyllum
f. zelindum (Linn.) Fern.
Hood purple with long pale
greenish stripes

all forms of A. triphyllum
ranging from - purple to striped
hood (f. zelindum)

In event of death turn this
book over to Mr. E. C. Leonard
of the U. S. National Herbarium.
H. A. Allard.

See #8201. Massey (letter of Dec. 9, 1942)
says it is Vitis cinerea var. floridana Munson,
= V. simpsonii, according to W. H. Bailey -
See Fernald in Rhodora 38: 426-428. He
separates this var. on basis of rusty
tomentum. See L. H. Bailey in Gentes
Herbarium, 3, 181 & 205-207 also;

See #7462 = agrimonia rostellata Wall.
Malva cornifera (Laf.) Schneider is
at old cabin south of Happersett Gap near
white oak grove, and near Broad Run
station; not collected.

White Poplar in flower on the Triassic
area at Haysmarket, Va 3-31-1940.
Not found in Bull Run mt. area major.
Draba verna in full bloom March 24, 1940
(sectif.)

a pure white form of Hepatica triloba
along lane from Harris's House to where
we parked; full bloom April 7, 1940. = #7606

Pure white form Viola pedata #7634
on short mt., shale, May 5

Nicotiana gossei Domke = #7602

#8273 Malus glaucescens Rehder? all
in Nat. Arboretum Herbarium. (coll Oct. 13, 1940)

#8275 to 8297 inc. prepared and sent to
Dr. Richard Evans Schultes, Botanical Museum at
Harvard University, Oxford Street, Cambridge Mass.,
October 23, 1940.

#8301 Cetraria islandica on Big Bald Trail
where it turns off to Knob (1 mile).
Hand
scrub

Turn off to Big Bald
Knob

Box Canal Todd
Mistletoe first record for Bull Run area = Nov. 21, 1940
= #8327
Manufactured by U. S. Government Printing Office

November 19, 1939. To Bull Run Mtn. with T., covering area south of Hafencell Gap from Castellia's spring & Riley's spring on west wooded slope to High Point cliffs.

November 26, 1939. To same areas as for November 19, 1939 with T.

December 3, 1939. To High Point cliffs with D. Clear - windy - temp. about 48° 50° .

December 10, 1939. To the west slope of High Point ridge, covering the area south of Hafencell Gap, including the "no phosphorus" areas, ad the High Point cliffs; to take photographs. with T.

December 24, 1939. To High Point cliffs via the valley road with D, then north to Hafencell Gap nearly back along west slope to High Point and on to car at Thoroughfare Gap (Beverley)

January 21, 1940. To High Point cliffs with T. Met Paul Bratt, Mr. Thomas ad 3 others rock climbing. Light snow on ground.

February 4, 1940. To High Point cliffs with T. 3 1/2 - 4 in. snow on ground.

Feb. 11, 1940. To High Point cliffs with T. Took climbing lesson with rope from Paul Bratt, using middleman's knot for ladder, Bawline for roping people together etc.

Feb. 18, 1940. To Bull Run Mtn. with T. walking from Beverley Mill to High Point cliffs snowed a little, then rain at 3 P.M.

Feb. 18, 1940. To Buzzard Mtn., flat rock see - #8562.

March 24, 1940. To High Point from Thoroughfare Gap with T.

March 31, 1940. To west slope below High Point cliffs from Castellia with T., walked by Pedometer (set 30 in. stiff) just $5\frac{3}{8}$ miles $\approx 5\frac{3}{8}$ miles.

April 7, 1940. To Belts then west over ridge to flagstone quarry then down to Harris's quarry ad back to car at colored house below White Banks - walked $3\frac{7}{8}$ miles by Pedometer.

April 11, 1940. To Beverley Mill, Thoroughfare Gap, Bull Run Mtn. with - walked to High Point and beyond, ad down west slope $7\frac{1}{8}$ miles by Pedometer.

Cloud bank in bloom on 211 at Bull Run Bridge; none in bloom at Thoroughfare Gap or on the ridges.

April 28, 1940. To Thoroughfare Gap with T. following down Broad Run 4 miles east by Pedometer - walked 7 miles at return, as we straightened our course ^{on return} 100 sunflower out of possible 100% or 13 hrs. *Mertensia virginica* in full bloom - acres of blue 4 miles down - just in its prime - as *Claytonia*, violets, *Erythronium*, *Card - Corydalis* etc.

May 4, 1940. To Front Royal, May 5, To south end of Shootertown, Massanetta, via. Ponel's Trout Valley, Redbuds everywhere at height of beauty especially on limestone south of Strasburg, Va. *Isatis tinctoria* at bridge at Riverton not in bloom.

May 12, 1940. To visit just south of Castell's at Hopewell Gap, white oak grove, pastures west etc., with T. walked by pedometer 8.2 miles.

May 18, 1940. To Front Royal, and on May 19, to shale at end of Pugh's Run road just north of Woodstock. Met old couple Mr. & Mrs. Boyer living on 200 acre farm between Shenandoah and the shale bars east at end of Pugh's Run road, he 78 years old, she 80 years old. Pedometer registered $5\frac{1}{4}$ miles.

May 30, 1940. To Ball Run M.T., parking at Castell's; walked west through pastures to bare areas where plots were planted to compare them of slope toward High Point ridge and return to car. Pedometer registered $4\frac{1}{4}$ miles at 27 in step (ignoring) all previous trips to May 18 above - pedometer set at 30 inches and gave $1\frac{1}{4}$ miles per actual mile; hence reduce this amount for May 18 and earlier.

June 9, 1940. To bare plots at Hopewell Gap with D.

June 15-4, 1940. To Woodstock area, and Pugh's Run) Shale Bars east with K.T.). Tested Pedometer and with step of 29 inches, 1 mile registered exactly by automobile.

June 30, 1940. To fertilizer plots (barren sink) ad to High Point cliffs with T. walked just $5\frac{1}{2}$ miles from Castell's down road to #55 via Hopewell & Broad Run road: 4 miles.

July 14, 1940. To Thoroughfare Gap with Clarence (walked $6\frac{1}{2}$ miles by Pedometer. covered area along Valley road to Hopewell Gap and to bare areas to High Point and return.

Anemone nemorosa L. woodstock, Va
in farm yard at Woodstock, Va. Shenandoah Co
abundant, low, ascending. Sept. 24, 1939
H.G. Allard

7448

(21)

7449 Mint: *Mentha vulgaris* L.

(21) near #7448 in same farm yard ditto
(see 7455 - here entered by mistake)

7450 *Spiranthes*

North Mountain, west
" (very translucent) of Woodstock, Va., Hardy Co.
In woods near red slope where lower
ledges at top (2500 ft) red Va.
where lower line is cut through into
valley (where lower line is cut through to valley) good

7451 *Aster macrophyllus* L.

(21) on red slope near ledges on good ditto
down to valley here we walked: 2500 ft.
In woods: abundant.

7452 *Anemone mollis* Ait. at top of ridge ditto

(21) Southern form, like very at ledges
shallow saucer-like at 2500 ft: near #7450.

7453 *Solidago erecta* Pursh

(21) on top of mountain, red slope ditto
on wood road down at 2500 ft
stems smooth below; some mainly the

7454 typical form.

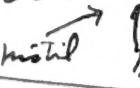
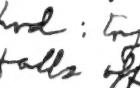
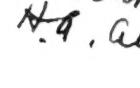
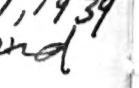
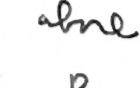
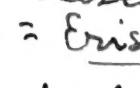
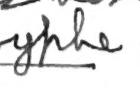
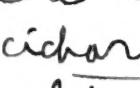
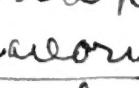
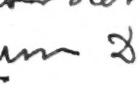
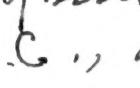
(21) *Solidago erecta* Pursh, var.

" near #7453; stems and leaves ditto
more translucent below; atypical therefore.

Marrubium vulgare L. woodstock, Va
= 7449 (see)
(2) in farm yard with

7455 # 7448
(4) (1) calyx teeth hooked; alternate ones
shorter. 222 = Horehound, entered here
Sphagnum

Subsp. ~~at spring~~ ~~in front of~~ ~~sugar~~ ~~barrier~~ ~~mt. west~~ ~~High Point~~
with # 7447

7456 " *Styloacanthus biflorus* (L.) Bsp. Bull Run Mt., Va
on railroad bank at Beresley Mill, Fangier Co
Past flower. 2                 <img alt="Drawing of a flower with two lobes" data-bbox="10905 345

7469 *Crataegus margaretta Ashe* Bull Run Mtn., Va
 In high brushedge Fauquier Co.
 pasture end of Castella's road slope south of
 low, bushy, very Hagerell Gap (highway
 productive: fruit ripe cliffs * 601), rd below High Point
 H. G. Allard e

7470 *Crataegus margaretta Ashe*.
 In same pasture with # 7469 ditto e

7471 *Polystichum acrostichoides* (Michx.) Schott.
 1/3 In edge of same brushedge ditto
 field with # 7469, ie just beyond
 Riley's ravine now yellow violet now. e

7472 *Bidens frondosa* L.
 1/1 roadside in front of Castella's ditto
 damp soil; abundant. e

7473 *Citrullus vulgaris* Schrad (watermelon) ditto
 at Castella's quarry; vigorous;
 young fruits 2 inches long. e

7474 *Datura stramonium* L.
 1/1 roadside at gate to Castella's ditto
 quarry, Hagerell Gap highway * 601 e

7475 *Curallardia odontorrhiza* Nutt.
 1/1 In woods near foot of High Point ditto
 cliff west slope. e

Panicum

Symphoricarpos orbiculatus Bull Run Mt., Va
 (hidden in bushes) Fauquier Co., Va
 Oct. 8, 1939
 =
 7483 Area north H.A. Allard
 of line from White Rocks west to highway
 to Halfway and north to Halfway and
 east to Bull Run slopes.
 = *Microsphaera diffusa* C. & P.

Ledebouria frutescens ditto
 " Leaf spot beneath leaves =
 In high woodsedge field west of Belts'.
 abundant plant & fungus.
 (romyes lepedezae-procumbens (Silva) Sart.)

7485 *Carya glabra* (Mill.) Speck ditto
 (2) In high pasture west of Belts'.
 e

7486 *Corallorrhiza odontorhiza* Nutt.
 " Beneath a large oak tree where ditto
 abundant west of Belts' one mile, where
 slope falls steeply to highway to Halfway.

7487 *Polygonum scandens* L.
 (2) Climbing false buckwheat ditto
 In thickets N.W. of Belts' 1 1/2 miles.

7488 *Aster lateriflorus* L. Britton
 (2) near # 7487, in openings ditto
 in woods: abundant in aged
 thickets and old pastures here.

7489 Yellow-rayed form of *Solidago bicolor*: found in a colony ditto
 of white-ray normal plants in
 woods on dry slope near # 7488
 my first record for Bull Run and: of
 this yellow form of *bicolor*.

Solidago bicolor L. v
 (white-rayed; very abundant
 The colony where # 7489 was
 7490 found.
 (2) North of Hagerell Gap -
 ie north of an east-west line from
 White Rocks and on to Halfway, and west
 of Belts'.

7491 *Tridlostema dichotomum* L. ditto
 (2) In recently cultivated field north
 of Belts' one mile: abundant here:
 not bloom.

7492 *Cassia marilandica* L. v
 " In open pasture west of Belts', ditto
 2 miles - ie north of Hagerell Gap 1 1/2 miles.
 Past Dover.

7493 Bark lichens Devil's Hole Mt., West Va
 " on Chestnut Oak tree not slope, near
 in woods well down in abandoned colored
 valley, (gray, dark) miscol. Oct. 14, 1939
 H.A. Allard.

7494 Bark lichens ditto
 " on same tree with # 7493

7495 Bark lichen on
 quartzite at top. south end of Short Mt., Va
 October 15, 1939 Oct. 15, 1939
 H.A. Allard. H.A. Allard
 Shenandoah Co.

7496 *Rhytidium punctatum* (Pers.) Fr. ditto
 small tan-like spots on upper surface leaves
 of *Carex pensylvanica*

Bull Run Mt., Va
 Fauquier Co.
 Oct. 8, 1939
 H.A. Allard
 North of Hagerell Gap -
 ie north of an east-west line from
 White Rocks and on to Halfway, and west
 of Belts'.

(fungus)
 brown on tan spot fungi

Rhytiisma punctatum (Pers.) Scop. Devil's Hole Mt., West Va.

Hardy Co., west slope

7497 *Acer saccharum* October 14, 1939

" in valley at high cliffs on knot fields at foot looking south from colored of west slope. CCC camp now abandoned below cliff. at crest of North Mt., Va

7498 *Ceratodon purpureus* E. & M.

" on *Hedera americana* ditto

on west slope ne ascended to peaks, through bear oak (hickories. (fungus)

7499 *Aster laevis* L. south end of Short Mt., Va: Shenandoah Co. on shale east of Massillon, Va below cliff; full Oct. 15, 1939. H. A. Allard. brom: abundant. H. A. Allard.

7500 *Lycopodium complanatum* var. ^{flatiforme} ~~flatiforme~~ (L.)

mod. var. *flatiforme* Ternal. in valley below cliff, south of Wardensville highway: abundant: shedding masses of forest.

7501 Hepatic

" on bark of old log at high cliff west slope Devil's Hole Mt.,

ditto

7502 Hepatic

" on bark of tree near 7501 (west Va)

ditto

7503 Moss (dwarf)

on bark of fallen log west slope near 7501

ditto

Solidago arguta W. & V. south end of Short Mt., Va

on barren slopes Shenandoah Co.,

7504 below cliff. October 15, 1939

" H. A. Allard

" large, vigorous clumps, passing

brown: scattered here,

7505 *Aster oblongifolius* Nutt.

" on barren slopes below cliff. ditto passing brown: deep blue rays: large areas in nearly pure stand - 1/2 - 2 ft high. H. A. Allard.

7506 *Lycopodium canescens* (L.)

abundant ~~left~~ for colored, at top of North Mt., Va. on ground here ~~near~~ Va, on Wardensville highway from Columbia Furnace, and roadside Oct. 14, 1939. H. A. Allard.

7507 toward Wardensville, Hardy Co. west Va

" *Agave canescens* Michx. Devil's Hole Mt., near * 7500 (on very west Hardy Co.,

slope Oct. 14, 1939

One bush in full bloom H. A. Allard

7508 woods.

small *Lycopodium* Bull Run Mt., Va

on dead log on bark west slope in just below High Point woods below High Point, Hanging Rock

Hole for shore at any point H. A. Allard

" *Lycopodium hyemale* Schaff. Oct 22, 1939

" on bark of tree at base near ground just below High Point cliff. ditto

7510 Wilder on leaves of

" Pin Oak in Castilleja high bromedge pasture. ditto

Rock lichens
from rocks at High Point
cliffs.

7511 *coral*

Bull Run Mt., Va
Fauquier Co., Va
Oct. 22, 1939
H.A. Allard
On rocks, red slope.

Hepatic.

Bull Run Mt., Va
Fauquier Co.
November 12, 1939
H.A. Allard
7518 base, below High red slope of High Point ridge
111 Point, south of Hagerell Gap.

7512 collecting of
one rock lichens from
(top) High Point cliffs.

Bull Run Mt., Va
Oct. 29, 1939
H.A. Allard
High Point cliffs.
Fauquier Co.
red slope.

7513 Bop rock lichens near # 7512
" ditto

7514 Bop rock lichens near # 7512
" ditto

7515 Black spots about size of pin head
" on leaves of *Vaccinium atrococcum* ditto
at foot of High Point cliffs.
Rhytidia vaccinii For. (immature)

7516 Milder on Black oak, scarlet and
" red oak leaves: with tiny black dots where
brown dots
= *Phylactinia corylea* (Pers.) Karst.

7517 Moss
" on bark of dead
red oak log below High
Point cliffs (red slope)

Bull Run Mt., Va
Fauquier Co.
November 12, 1939
H.A. Allard

7519 *Polyporous hispidus* (Wulf.) For. ditto
" on bark of dead red oak log
(*Quercus rubra*) below High Point.
Ident. by J. A. S.

7520 Bop of bark lichens.
" on chestnut oak trunk
in woods below High Point cliffs
(red slope).

7521 Rock lichens.
" (several) on cliffs of short ridge west
of *Castilleja* gray ridge.

7522 Bop rock lichens
" from High Point cliff

Bull Run Mt., Va
Fauquier Co.
November 19, 1939
H.A. Allard
red slope below High Point
ridge.

7523 Bark lichen
" on red oak tree
Near # 7522

7524 Bark lichen
" on red oak tree
Near # 7522

Cladonia cristatella f. *vestita* Tuck. Bull Run Mt., Va
 on soil of broomedge field above Riley's
 7525 old cabin near pitch trees, between grass clumps.

7526 *Cladonia papillaria* f. *molariformis* (Hoffm.) Scher
 " on ground with # 7525 ^{yellow} ditto
 P the squamules are something else.

7527 *Cladonia coniocraea* f. *truncata* (Flot.) Bratt
 " on horizontal rock on thin soil layer below High Point cliffs.

7528 ~~Bark lichen~~ *Frullania elatior* Gottsche. ditto
 " *Hepatic* (red) ditto
 on red oak bark, west slope south of Hagerell Gap above Riley's south

7529 *Cladonia papillaria* f. *molariformis* (Hoffm.) Scher.
 " on soil of broomedge field with # 7525 ditto

7530 *Cladonia papillaria* f. *molariformis* (Hoffm.) Scher ditto
 " on soil beside # 7525 ditto

7530a *C. subcariosa* f. *erolata* (var. and *C. subcariosa* f. *squamulosa* Robbins).

7531 *Cladonia squamosa* (Suf.) Hoffm.
 " on thin soil layer on horizontal rock below High Point ditto

7531a *C. cristatella* f. *vestita* Tuck.

Cladonia Bull Run Mt., Va
 on horizontal rock with # 7531 ditto
 7532 *C. squamosa* (Suf.) Hoffm. west slope below High Point cliffs.

7533 *Bark lichen* ditto
 " on red oak bark west slope south of Hagerell Gap.

7534 *Cladonia dilosphaea* f. *heterogala* (Flot.) Bratt
 " on thin soil on rock shelf below High Point cliffs.

7535 *Cladonia papillaria* f. *molariformis* (Hoffm.) Scher ditto
 " on soil in broomedge field in ^{part} ^{soil} in depressions with # 7525

7536 *Cladonia uncialis* (L.) Web. ditto
 " on thin soil on horizontal rock shelf at High Point cliffs.
 = *C. uncialis*

7537 *Polyphorus picipes* Fr. ditto
 serial on bark of dead red oak log, west slope, below High Point cliffs.
 Large: tan black above in depression

7538 *Mass* ditto
 " yellowish green, fern-like on horizontal rock, west slope below High Point cliffs: - slight
 against soil; peels off rock readily.

mass
shining green.

on horizontal rocks

7539 on thin organic soil

in competition with

" * 7540.

Bull Run Mt., Va
November 19, 1939
H.A. Allard
Fauquier Co.
west slope below
High Point cliffs.)

7540

mass

" dull yellowish green: on horizontal ditto
rocks on thin organic soil in competition

with * 7538

7541

leathery

" dark reddish brown. on horizontal ditto
or sloping rocks on thin organic soil or
bare rocks, & easily peeled off; near * 7539
* 7540

7542 Cladonia

" (reindeer)

On soil near *Pinus rigida* along in
interspaces of old brown edge field
just above Riley's spring, south of
Hagerell Gap

7543

" Bore rock lichens.
From High Point cliffs
and below.

Bull Run Mt., Va
Fauquier Co.,
November 26, 1939
H.A. Allard

7544

one top with * 7543
rock lichens

ditto

7545

one top with * 7543
rock lichens

ditto

7546

one top
rock lichens

7547

one top
rock lichens near * 7543

7548

" ~~myxocelae~~ on Ceanothus
americanus

East slope below High Point cliffs: ditto
Very rare. ~~in tufts~~

7549

"
leathery - on thin soil of wall around ditto
Riley's cabin spring, just south of
Hagerell Gap, west slope, Fauquier Co

7550

" nose at base of tree (oak) near ditto
* 7549

7551

" Bore rock lichens Bull Run Mt., Va
from top of cliffs and Fauquier Co
a short ways down on Dec. 3, 1939
outcrops of east slope. At and around High Point
cliffs. H.A. Allard

7552

" one top rock lichens.
with * 7551

ditto

3 sp grayish white bark surface Bull Run Mt. Va
lichenes from destroyed oak tree Fangmier Co
Very abundant, mapping Dec. 3, 1939

7553 whitish patches on old H.A. Allard
" bark - as if more color. Fraser and near High
Point cliffs

7554 Bunch of dull yellow lichens in
" pieces of thick bark of old chestnut
oak tree - ad at 6-20 feet up only on
western exposure: frequently seen on
bark.

7555 Bark lichens on Pinus strobus
" bark etc., on Kalmia latifolia ditto
bark & twigs at top of High Point cliffs.

7556 3 sp gray (lead) Parmelia on
" Kalmia latifolia twigs & bark near ditto
* 7556. Very abundant here.

7557 Cladonia + Parmelia?
" on Pinus strobus bark at High Point cliffs ditto

7557A = Cladonia baurii (L.) Nyl. (Hoffm.) P

7557B = " Chlorographa f. simplex (Hoffm.) Arn. P.

7557 = Anaptychia aquila (L.) Mass. P.

7558 Cladonia. ditto

" on P. strobus bark and twigs of
Kalmia latifolia; near * 7557 ditto
Anaptychia major (Nyl.) Frick.

7559 Moss
" on huge, horizontal rock just east
of High Point crest where we cooked chops
a more stand on thin black humus soil;
easily lifted off and easily separating. ditto

Lichenostroma (boring)? on vertical Bull Run Mt. Va
rocks at top exposed to red rocks, Fangmier Co
but deep in a thicket of Kalmia. Dec. 3, 1939
a large rock, with at end near High Point cliff
7560 vertical surface H.A. Allard
" mixed with this and another = * 7561
and the reddish * 7562

7561 Dark red hepatic competing ditto
" with the yellow green Parmelia so
common on trees & rocks =
Parmelia overcomes it; on some vertical
surface as * 7560

Trullaria asagrayana Mont.
7562 Liverwort competing with ditto
" * 7560 on some rock. ditto
Entire surface (vertical 3 ft x 6 ft) covered
with these three, all easily peeled off.
Janeasiella autumnalis (D.C.) Steph.

7563 Nectria (red) on galls on Bull Run Mt.
trunks of small hickory Fangmier Co
near Castelloe's spring south Dec. 10, 1939
= Nectria galligena Bres. H.A. Allard
red slope

7564 = Endothia bluish shear & sterile
Endothia (orange) on rock
" chestnut oak at High Point cliffs ditto

= 7565 Sedum tele. drn. 7567 ident by Robert F. Martin
7566 Dis. of Plant Exploration
7567 and introduction
" originally from Bull Run
Mt. Va by roadside just west of Antioch, Va
4-11-38, grown in greenhouse (soil) under
2-200 watt electric lights with reflector from Aug. 30, 1939.
Pende 9-30; T, 15 11-28. Specimens collected

= 7566 Dec. 18, 1939; very floriferous; controls only
" Sedum 11, Sedum from heavy woods at east slope of
telephone pole, Bull Run Mt. Va 1/2 mile W. of Thorowfare Gap.
9-21-36 known flowers in response to continual day
light with * 7565. Pende 9-30, T, 15 11-28 and 25 min.
Specimens collected Dec. 18, 1939 H.A. Allard

= *Sedum Telephium* (Knight) orig from
Vt. To coal house (50°-55° F.) Aug. 30, 1939 -

Brads 9-25-39 Fr. B 1102. 7, 1939
7567 (under 2-200 with lights) S J carpet.
15, specimens made Dec. 18, 1939; steamed
in van in Baronia lab.
#7565 - 7566 - 7567 all appear to
be identical. H. A. Allard ^{ident.} Robert F. Martin 12/27/39

(Exhalation) 7568 Fungus (brown) on dead oak twigs
(soil
sticks) ^{Ball Run Mt.} = *Lerps cinnamomeus* Fr. At High Point Cliffs
¹⁹³⁹ ^{Ball Run Mt.} ^{At High Point Cliffs} ^{Fr.} ^{Fauquier Co.}
Dec 24, 1939.
H. A. Allard

7569

" top
with lichens

ditto

7570

one top
with lichens

ditto

7571

one top
with lichens

ditto

7572

one top
with lichens

ditto

7573

bark lichens

ditto

at High Point Cliffs

7574
one top
with lichens.

Bull Run Mt., Va
Fauquier Co
At High Point Cliffs
Dec. 24, 1939
H. A. Allard.

7575 Buds on ground

" at base of tree
on trail from Rosedale
to High Point Cliffs - odd
near this point; capsules present

Bull Run Mt., Va

Fauquier Co
Feb. 11, 1940.
H. A. Allard.

7576 Moss
" on soil near # 7575.

ditto

7577 Moss

" on soil near # 7575

ditto

7578 Lichen - bright yellow on
" bark of chestnut oak near
High Point Cliffs.

ditto

7579 Hepatic *Trullaria eboracensis* Gottsche

" on bark of hickory tree
on way to High Point Cliffs - ie
near # 7575

ditto

7580 *Calostoma oreocelis* (Berk.) Mass.

" =
On level ground in pine N. of
Mill where Sweet Fern grows
Mouth crimson. ↗ shape; easily
falls away and falls on ground.

Bull Run Mt., Va
Near Rosedale Mill.

Fauquier Co
Feb. 18, 1940
H. A. Allard.

Bog gray rock lichens
on Chestnut oak at
High Point cliffs.

7581
"1

Bull Run Mt., Va
Fauquier Co.
Feb. 18, 1940.
H.A. Allard
On rocks at High Point cliffs

One bog rock lichens
7582 small gray, circular
"1 at High Point cliffs -
very abundant. Prefer
smooth granitic surfaces
Parmelia like - $\frac{1}{2}$ - 1 in. in circles.

7583 Bog rock lichens - small, hairy,
"1 foliage - on smooth hard, smooth
vertical granitic surfaces at High Point
cliffs

ditto

ditto

7584 On bark of big Chestnut oak tree
"1 at High Point cliffs - gray
Parmelias.
very abundant

ditto

7585 Bogs of small gray
"1 Parmelia (?) like #7582
On cliffs at High Point cliffs

ditto.

7586 white crustose lichen
"1 on dead twigs of mulberry
in the winter's garden,
appear to be the only lichen here
Anthopyrenia punctiformis (Schrad.) Mass.

Lyon Park, Va
Arlington Co.,
March 5, 1940
H.A. Allard

7587 *Pinus rigida* forma *globosa* Bull Run Mt., Va
(several) in pasture just south of Fauquier Co.,
Hooperell Gap.
This to be the
Type specimen.

March 10, 1940
H.A. Allard
at Hooperell Gap.

Pinus echinata Mill Bull Run Mt., Va
Large tree (only specimen) Fauquier Co.
in tall grass area, just March 10, 1940
"588 south of Hooperell Gap road.
H.A. Allard.

81
7

7589 *Nicotiana gessei* Domin. March, 1940
"1 from a tree not under light
at Arlington, Va. (earlier 1939-40)
seed obtained from near Hermannsburg,
Central Australia as *Dubisia hopmanni*)
Homotomia in National Herbarium - exalt

7590 Two two specimens of *N. crassoleuca*.
"1 Mass Bull Run Mt., Va
On bank in old field on Prince William Co.,
valley road with of R.R. where with of Thoroughfare Gap
old horse & collar track was - March 24, 1940
1/2 mile N of R.R. H.A. Allard.

7591 " Mass
On tree trunk - east slope of
High Point Ridge, ditto

7592 Bog rock lichens Bull Run Mt., Va
"1 below High Point cliffs Fauquier Co.,
March 31, 1940
near slate in woods
below High Point cliffs H.A. Allard.

7593 Bog rock lichens
"1 Below High Point cliffs with #7592 ditto

7594 Fungus on dead twig ditto
"1 near #7592
= *Zedalea confragosa* (Balt.) Fr.
det. by J. A. S.

"1 Bop. rock lichen is Bull Run mt., Va
 woods down slope - small Tangier Co.
 gray on flat rocks etc. rest slope in woods
 Local. easily detached below High Point.
 (Pore collection) March 31, 1940
 "1  H.G. Allard
 Dermatocarpon miniatum (L.) Mann, var.
 complicatum (Light.) Trie.

7595
 "1  H.G. Allard
 Dermatocarpon miniatum (L.) Mann, var.
 complicatum (Light.) Trie.

7596 Bop of one species - of rock ditto
 "1 lichen - thin, pinkish, gelatinous
 when wet. Hacks.
 On same rock with #7595 in woods
 below High Point cliffs (Pore collection)
 Local. *Collomia grandiflora* (Schreb.) Robt.

7597 *Cladonia*
 "1 cup shaped - on rocks in ditto
 woods near #7595

7598 *Cladonia*
 "1 brown apothecia - on rocks ditto
 near #7595

7599 Small gray rock lichen.
 "1 on rocks near #7595 ditto
 (like small *Parmelia*, apothecia
 present) *Physcia lithotodes* Vahl.

7600 *Cladonia*
 "1 on rocks in woods ditto
 near #7597.

7601 yellow granular rock lichen ditto
 "1 on chestnut oak bark in ditto
 same woods near #7597
 = *Caloplaca microphyllina* (Tuck.) Hassel.

Mass
 "1 on rock, below High Point in woods
 7602 rest slope below High Point
 "1 near #7595

Bull Run mt., Va
 woods, rest slope
 below High Point
 cliff. March 31, 1940
 Tangier Co
 H.G. Allard.

7603 Moss on rock ditto
 "1 Near #7602

7604 Moss on bark of dead
 oak tree on Triassic Area ditto
 near Antioch - after leaving
 highway 50

7605 Moss on rock ditto
 "1 near #7602

7605A *Myrica esculentia* L. *Prinsepia* Co ditto
 just north of Boreley Mill, Thoroughfare Gap.
 abundant on sandy soils here.

7606 *Hepatica americana* (DC.) Ker. Bull Run mt., Va
 "1 pure white form: abundant Tangier Co.
 on Harris's road road North of Thoroughfare Gap
 near White Rock: full bloom 2-2 1/2 miles
 intermingled with purple blue. April 7, 1940 H.G. Allard

7607 *Hepatica americana* (DC.) Ker.
 "1 (Blue-purple colored) ditto
 with #7606.

7608 *Silene* ~~Tristis~~ ^{Tristis} Huds ditto
 "1 staminate and pistillate abundant in
 swamp, below Harris's quarry; full bloom
 "S. tristis" Ait. - *S. hirsutissima* Marsh. says Dr. Bull
 in only's specimen from Bull Run.

7609 *Diplophyllum apiculatum* (Evans) Stevns. Bull Run Mt., Va
in pine woods near
slope east of Belts
Tangier Co.,
2 miles N of Happersett Gap
April 7, 1940
H.A. Allard.

7610 *Nicotiana gossei* Domin
grown in 6 in pots in warm greenhouse
at Arlington Farm Va, winter 1939-40.
seed from near Hermansburg, Central
Australia as *Dufourea boopoides* No. 77940
material in Nat. Herbarium of this. H.A. Allard
One sheet given to National Arboretum Herbarium
in charge Eranson.

7611 *Pyrenopeziza* on dead pine
trunk: *P. virginiana* Bull Run Mt., Va
Polyphorus abietinus (Dick.) Fr. Tangier Co.,
west slope north
of Thoroughfare Gap
April 21, 1940
H.A. Allard.

7612 *Gelatinous* (bump) fungus
on bare dead hickory bark ditto
Tremella sp. on fallen *Quercus rubra* leaves ditto
7612 A = *Venturia orbicularis* (Schw.) (Cle. & Pfa.) Det. J. A. S.

7613 *Fungus* on dead log
Penicillium stipitatum Fr. ditto
Det. by V. K. Charles

7614 Large bark w/ fungus
west slope woods below
High Point cliff det. by
Wormula craterium (Schw.) Fr., E. K. Cash.

7615 *Geaster* by *gyromitrin* Pers.
near # 7614 ditto
det. by J. A. S.

7615 Small gray lichen Bull Run Mt., Va
black dotted on trunks Prince William Co.
Border Conglomerate about April 28, 1940.
3 miles down H.A. Allard.)

7616 in Broad Run on Broad Run below
bank. Thoroughfare Gap.
size of quarter or smaller: very white w/ yellow
on banks of Broad Plain *Dermatocarpon*
miniatum (L.) Murr.

7617 *Viola* (blue) = *hastifolia* Michx. ditto
" on flood plain below Beverly Mill. ditto
full bloom; very abundant.
Lat. hills bearded.

7618 *Viola scabriuscula* Schlecht
Full bloom: very abundant. (yellow) ditto
smooth stems, leaves, capsules: glabrous
(No pubescence here)
3 miles down Broad Run.

7619 *Claytonia virginica* L.
Full bloom: very abundant ditto
3 miles down Broad Run.

7620A *Myrsinella blarula* Raf. DC. & ditto
14) very abundant: full bloom &
7620B - *Epacris* 3 miles down Broad Run
" near # 7619 *Juncaria multiflora* (Ehrh.) Legume.

7621 *Barbarea vulgaris* L. Br. ditto
in flood plain and
old field 3 miles down
Broad Run. Just coming
into bloom; abundant everywhere
in moist ground.

7622 *Erythronium americanum* Ker. ditto
" near # 7620; abundant
just in full bloom: yellow. &

Grass *Poa cuspidata* Nutt. Bull Run Mt., Va
in woods
on high conglomerate April 28, 1940
cliffs south of Beverly Mill H.A. Allard

7623 on Broad Run Prince William
on right hand bank on Broad Run
as stream flows below Thoroughfare Gap,
1 mile down; just in bloom
Not abundant. First tall grass to flower
in this area.

7624 One fog rock lichens from
conglomerate boulders (Border conglomerate)
of Triassic 3 miles down Broad Run ditto
from Thoroughfare Gap.
(several species)

7625 Moss *Grinnia*
1/1 on Border conglomerate of Triassic ditto
area 4 miles down Broad Run
left bank, from Thoroughfare Gap
(subfrust)

7626 *Senecio antennaria* Shale barren of
Upper on lower slopes fol. south end of Shartt Mt.,
Va. Very abundant. Mass-annular, Va
blooms: first. May 5, 1940
1/1 in bloom. H.A. Allard.

7627 1/1 *Astragalus distortus* T. & G.
2 gr. herb. with * 7627. Very abundant; in ditto
Nat. Hist. 5-9-40 bull bloom everywhere: very strong
blue-purple mats: covered with honey bees.

7628 1/1 green *Phlox diffusa* Small
one sheet. Abundant all over shales with ditto
to Nat. Hist. 5-9-40 * 7627: full bloom; very strong -
pale whitish mostly a pinkish
two short purple spots at base of each corolla lobe.

7629 *Arabis*
1/1 On shales with * 7628 ditto.
scattered; just in bloom; yellow to cliffs
Not on dry, exposed shales here.

Corydalis flexuosa (L.) DC. Shale barren of
High on or shale south end of Shartt Mt.,
barren in partial shade; Mass-annular Rayge.
7630 larger, more spry Va. east of Mt. Jackson.
most; abundant; May 5, 1940
(2) full bloom. H.A. Allard
Shenandoah Co.

7631 *Viola (blue) fimbriatula* L. ditto
On shales toward foot -
bare trees thin; soil good mostly bare.
Abundant; full bloom.

7632 *Viola (blue) glabra* ditto
Same locality with # 7631: ditto
here apparently cultivated - on gentle
shales; abundant; full bloom.

7633 *Viola (blue) umbrosa* ditto
with # 7632; very abundant in
patches here; very full of flowers, though
on shale barren, more bare open thin woods
on lower slopes.

7634 *Viola pedata* L. (blue white form)
a pale white form: near # 7632 ditto
only one clump; both color forms abundant here.
No competition - mostly bare compacted
shales, changes to flint. All the tetraploid
shales in dryings - more var. linearifolia DC.

7635 *Silene pennsylvanica* M. B. C. ditto
1/1 On shale in woods near
cliffs at top of Shartt Mt.
Full bloom.

7636 *Amelanchier canadensis* ditto
(2) at very top of cliffs: full bloom here
Buds of Quercus prinoides scarcely started.

Potentilla fruticosa L. on shale barrens etc
abundant: full bloom
South end of Short Mt., Va
7637 on shales below: ^{1/4} Massassutten Range.
" in May 5, 1940 Sherandoch
H.A. Allard.

7638 *Onoclea sensibilis* L. Great Valley just
covered roadsides
here: - full bloom
some tufts are inch
through. Very fragrant.
May 5, 1940 H.A. Allard.

7639 *Lithospermum canescens* (Michx.) Lohm.
In woods just east of large *Cetraria*
colonies on slope above car. One plant of
many stems: first I have ever seen, very shabby
deep orange.

7640 *Viola papilionacea* Pursh. allard's Garden
in moist soil of backyard. Arlington, Va
Very abundant, full bloom. Arlington Co
May 9, 1940 H.A. Allard

7641 *Ranunculus abortivus* L.
(6) ~~tufted~~ back yard and garden.
Collected showing variations in sinus shape ditto
of basal leaves according to Fernalda's variation
counts.

7642 *Arabis falcata* Thelliana (L.) Britton
(3) Around old cabin south of Bull Run Mt., Va
Hooper's Gap and west of Hooper's Gap -
Broad Run Highway. May 12, 1940
full bloom H.A. Allard

7643 *Carex stans* L. 7643
" in dry woods at top of ridge ditto
near Castellus flagstone quarries - ie at top of roughed field. abundant here, e

7644 *Sisyrinchium campestre* Michx. Bull Run mt., Va
with # 7643. ^{1/2}
This just below cliffs west of Castellus quarries at top of slope. L

7645 *Sabicea linskins* Marsh ditto
14 In high meadow field
south of Hooper's Gap beyond
Liley's old cabin, abundant here.

7646 *Viola rostrata* Greene ditto
" around old cabin with # 7642. abundant: mid bloom.

7647 *Veronica arvensis* L. here.
" with # 7642: abundant: just in bloom ditto

7648 *Galinus aparine* L. ditto
" abundant with # 7642 at just
cabin; not quite in bloom, but will be
full bloom in my garden. will be in
full bloom here in a week.

7649 *Stellaria media* L. L. C. Will ditto
" with # 7648; abundant here, and ditto
in similar situations; full bloom.

7650 *Uvularia perfoliata* L. ditto
(3) In white oak grove south of Hooper's Gap
ad west of cabin above. Note long
underground stems. No 1 - one stem 15.5 inches long, one 10.5 inches long.
No 2 - two stems - one 7.5", one 5.5", No 4 - one stem 12 inches.
No 3 - one stem 9 inches long, No 4 - one stem 12 inches.

Oxalis violacea L
In white oak grove
near old cabin
7651 (b) * 7642 green, H.A. Allard
" abundant; full bloom.

Bull Run Mt., Va.
Fauquier Co.
May 2, 1940

4

7652 *Caralluma visteriana* Conrad
(2) In same white oak grove with ditto
* 7651. full bloom. scattered here.

5

7653 *Barbarea verna* (Mill.) Gaertn.
" around old cabin with 7642.
Full bloom.

ditto

5

7654 *Prunus americana* Marsh.
(2) In old field just east of
old cabin where * 7642 green, and
near Broad Run - H. Allard - Broad Run
highway: full bloom; thickets.

ditto

5

7655 *Ranunculus abortivus* L
(3) Around old cabin with * 7642 ditto
" show various degrees of degree of sinus
of basal leaves; same coloring.

7656 *Puccinia violae*
(Schum.) DC
on *Viola pubescens*.
by Shenandoah stone
cabins are built.
H.A. Allard.

Massachusetts Mt., Va.
Shenandoah Co.,
Near Bayers farm
at east end of Puglis
Run. May 3, 1940

7657 *Taphrina polypictici* Min.
" on *Polyptichum acrostichoides* ditto
near * 7657

7658

Massachusetts Mt., Va
Shenandoah Co.,
May 19, 1940
H.A. Allard
East of good strip, ad
end up Puglis Run
along Shenandoah
ad on shale barrens
around Bayers farm

7659 *Lepidium campestre* (L.) Bull Run Mt., Va
(3) on railroad track Fauquier Co.
at Beresley Mill, May 19, 1940
H.A. Allard &
Thoroughfare Gap: abundant; full bloom

7660 along railroad
(3) near * 7659 ditto
" abundant; full bloom.
= *Lithospermum arvense* L.

7661 *Ranunculus repens* L. Meadowlark
(2) In wet meadow Warren Co., VA
on right on route 55 May 19, 1940
going to Trout Fork. H.A. Allard
showy patches here, in full bloom

7662 *Ranunculus micranthus* W.M. L.
(6) In thin dry woods below steep
shale slopes: full bloom; in lower
grove etc.

7663 Very narrow - even linear-leaved
Arabis laevigata var *Burbiae* Porter ditto
(2) On dry, steep shale barrens east
of Bayers house near * 7662.
petals scarcely longer than calyx
Not abundant: perhaps only an ecological
form of *A. laevigata*

7664 *Arabis laevigata* (Muhl.) Poir.
(3) In some of deep, moist soil ditto
at foot of steep, dry shale slope,
Poke need also abundant here.

Senecio antenorifolius Massamutton Mt. Va
Shenandoah Co
On steep shale slopes ^{May 9, 1940} ~~limestone~~ ^{limestone} ~~limestone~~
slopes east of Boyer's house H.A. Allard

7665 " No *Astragalus* here; full bloom.
Trifolium virginicum here.

7666 *Senecio obvatus* Muhl. ditto
(13) ^{year} near # 7665; on dried ditto
3 grn. shale slopes in thin open woods of
S. T. 1940 pine, oak etc; large patches in
full bloom.

7667 *Carex pennsylvanica* Lam.
(14) with # 7665; in thin woods ditto
on lower slopes; bare woods begin
after steeper zone of barrens; abundant.

7668 *Pentstemon canescens* Britton ditto.
(14) In thin tree zone at foot of
steep shale slopes, but growing all
over the slopes - even the steepest and
most barren; full bloom.

7669 Gramineae ditto
" On steep shale slopes
above # 7667.

7670 *Veronica arvensis* L. ditto
" In thin, dry, open woods at
foot of steep slopes, with # 7662
abundant.

7671 *Carex laevigata* Lam. ditto
" (wood land)
In deciduous woods at top of
shale barrens just east of Boyer's house;
abundant.

Barbara verna (Mill.) Asche, Massamutton Mt. Va
on shale soils in wet ground Shenandoah Co
on wood road in woods May. 9, 1940
7672 on way to Boyer's house, H.A. Allard.
(21) abundant; full bloom.

7673 *Barbara vulgaris* L. Bz. ditto
(21) Near # 7672 - in ditto
(2) opening in woods;
full bloom.

7674 *Osmorhiza longistylis* ditto
" var. *villosum* Ternal
In moist, shaded, rich, soil in
woods on way to Boyer's house;
abundant here; full bloom.

7675 *Ranunculus abortivus* L. ditto
(3) In open, damp ground near ditto
7673.

7676 *Pentstemon canescens* Britton ditto
(3) In opening in woods on rich ditto
shale soils - it with # 7673
abundant here, rd on dried shales.

7677 *Ranunculus recurvatus* Poir. ditto
(2) In rich woods on wood road ditto
leading along Shenandoah River
to Boyer's house; abundant.
Never on shale barrens higher.

7678 *Phacelia dubia* (L.) Gray ditto
(8) In thin open woods on ~~shale~~ ^{limestone} ditto
road leading to Boyer's place; on ~~shale~~
~~shale~~ soils; abundant; full bloom; bluish
white corolla.

Carya (d. leaves). on steep shale slope
mainly wooded, moist, rich area near river
7679 (Shenandoah)
(b) on road road
to Boyer's home. East of Woodstock, 2 miles
of English River. H.A. Allard

7680 *Papaver rhoeas* L.
1³ in old field on English River road off U.S. 11, north of Woodstock, ad 3 miles east on this road, scattered; full bloom. ditto

7681 *Carex platyphylla* Carey.
1¹ on shale soil on road road to Boyer's - near # 7679 woods etc. ditto

7682 *Viola triloba* Schneid
1¹ near # 7681. abundant in rich moist woods here. ditto

7683 *Carex leavenworthii* Deney Allard's garden - along walk near barn. Arlington abundant here; has persisted for years. all from one clump. May 26, 1940 H.A. Allard

7684 *Carex Jamesii* Schneid
1⁴ Two clumps near hybrid oak near henyard fence, all from one clump. ditto

7685 *Crassicaeae*
6 1⁴ *resinosa* (L.) A. Nels. *Herbarium* ditto
(bl. yellow: no plant only) Neg. desk houses Radicula *palustris* (L.) Moench. Arlington Farm, May 27, 1940 H.A. Allard

Massachusetts 1¹ Shenandoah Co., Va.
May 19, 1940
" " H.A. Allard
" " Common in pastures here. e

Plantago virginica L. Bull Run Mt., Va. May 30, 1940
in old brown sedge field Tianguis Co., west slope below
7686 neg. bare soil areas High Point Ridge
" " lacking P_2O_5 H.A. Allard, e
Common in pastures here. e

7687 *Consolidae spiraea* L. ditto
1² very abundant on bare soil areas lacking P_2O_5 ; practically pure stand in places; full bloom; 6-10 in. tall. e

7688 *Panicum depauperatum* Michx.
1¹ just outside bare soil areas in surrounding thin brown sedge ditto

7689 = *Festuca obtusa* Fries
1³ Graminal in deciduous woods before High Point Ridge: scattered clumps just coming into bloom. ditto e

7690 *Galinopsis* L. ditto
1¹ in locust grove near old bridge and wood house in woods West slope below High Point cliffs; very abundant. ditto e

7691 *Geranium carolinianum* L. ditto
1⁴ abundant with # 7690; full bloom var. *confertiflorum* Tern. e

7692 *Bromus japonicus* Thunb.
3 with # 7690; abundant here, e ditto

Viburnum dentatum L. Allard's garden,
full bloom; an early Arlington, Va.,
7693 blooming form here, Arlington Co.,
14, much earlier than May 31, 1940 e
H.A. Allard, //

7694 *Sanicula gregaria* Bicknell ditto //
(5) very abundant in waste ground in
back yard along ditch; fl. greenish yellow, e

7695 *Osmorhiza longistylis* (Turr.) DC. ditto //
(3) var. *fuliginea* Blake Kernal ditto
Large colonies in my garden showing June 3, 1940
all degrees of hairiness to the naked eye
glabrous form # 7696 //

7696 Typical *Osmorhiza longistylis* (Turr.) DC. ditto //
This freely intermingled var. *fuliginea* Blake June 3, 1940
with # 7695 a hairy form, with
intermediates, in same colony, //

7697 *Poa trivialis* L. ditto //
" *Pratina* red soil at 1st gate
below Castello's in
woodcide ditch.

7698 Blake says *E. strigosus* (Aubl.) H.A. Allard, ditto //
" *triglochin strigosum* (Aubl.) B.S.P. ditto //
in old field near fire garden; June 9, 1940
on *triglochin strigosum* (Aubl.) B.S.P. ditto //
Prince William Co. near Antioch; abundant; full bloom

7699 *Pentstemon pallidus* Small. ditto //
with # 7698: abundant in this
old field; full bloom; fl. pale ditto //
(5) with # 7698: abundant in this
old field; full bloom; fl. pale ditto //
Prince William Co.

Senecio smallii Britton Bull Run Mt., Va.
in old field store, Tangier Co., Va.
west slope south of Hagerell Gap. ditto //
7698 year: June 9, 1940
(6) full bloom: abundant. H.A. Allard, Prince William Co.
Prince William County //

7701 *Oenothera fruticosa* var. *vera* Hook ditto //
(3) with # 7698: full bloom: abundant. Prince William Co. //

7702 *Panicum depauperatum* Michx. ditto //
" with # 7698: abundant Prince William Co. //

7703 *Danthonia spicata* (L.) Beauvois. ditto //
" with # 7698: abundant Prince William Co. //

7704 *Panicum depauperatum* Michx. ditto //
" with # 7698 Prince William Co. //

7705 *Coreopsis grisea* Wahl. ditto //
" with # 7698 Prince William Co. //

7706 *Panicum depauperatum* Michx. ditto //
" with # 7698 Prince William Co. //

Panicum depauperatum ¹¹⁰⁸ Bull Run Mt., Va
In same old field Fauquier Co.
7707 with # 7698 June 9, 1940
H.A. Allard.

7708 *Dactylis glomerata* L.
(2) By roadside at Castles
where we park at Hopewell Caf
abundant.

7709 *Dianthous stricta* (L.) Beauvois.
" with 7698
Prince William Co.

7710 *Houstonia purpurea* L.
" with # 77 7698: abundant in
old fields more especially.
Prince William Co.

7711 *Cyperaceae* *Eleocharis tenuis* (Willd.) Schultes
" In damp spot near # 7698
Prince William Co.

7712 *Gramineae*
(2) In old field with # 7698
= *Sphenopholis obtusata* (Michx.) Scribn.

7713 *Cornuandra umbellata* (L.) Nutt.
" On rocky ridge just south of
Hopewell Caf and Castles quarry.

Carex glaucoidea Tuckerm.
In old pasture near
route # 55 on road to
7714 Antioch.

(9) abundant; all
from same clump.
On Trossie area.

Prince williamsii.

7715 *Carex glaucoidea* Tuckerm.
(4) with # 7714 (same field
(all of one clump.)

7716 *Carex bushii* Mack.
(4) Near # 7714 (all of one clump.)
Prince William Co.

7717 *Carex willdenowii* Schk.
(3) with # 7714
Prince William Co.
(all of one clump.)

7718 *Carex willdenowii* Schk.
(3) with # 7714
Prince William Co.

7719 *Carex glaucoidea* Tuckerm.
(5) with # 7714
Prince William Co.
(all of one clump.)

7720 *Carex lutescens* Mack.
" Near # 7714
Prince William Co.

Carex hirsutella Mack
with 7714

7721
(41)

Bull Run Mt., Va
June 9, 1940

Prince William Co.
H.A. Allard.

7722 *Oxalis stricta* L.
" in same pasture with # 7714 ditto
abundant; full bloom.

7723 *Gramineae* = *Postrivialis*
" in red overblow from Costello's ditto
quarry spring at Hagerell Gap. Fangmier

7724 *Poa pratensis* L
" on banks near # 7723 ditto
abundant.

7725 *Lepidium virginicum* L
" abundant in rocky roadway ditto
to Costello's spring quarry; full bloom.

7726 *Carex lapisflora* Lam.
" on High Point cliffs ditto

7727 *Onagraceae*
" on rocky ridge north of ditto
High Point: just in flower
= *Helianthemum canadense* L. Michx. "

Asplenium montanum Mitt Bull Run Mt.
hirsutifolium with Fangmier Co. " Va
in crevices on cliffs near slope,
7728 near High Point cliffs. June 9, 1940
" my first specimen H.A. Allard
in Bull Run area; rare here.

7729 *Eupatorium* (wild)
" with pinkish very hairy galls. ditto
in woods below High Point cliffs
a gall wasp, *Vitis agrestis* Michx. | e
see E.P. Field. Key Wm. Sweet Ball. | e
" may be agastroid. *Cecidophyga* sp. grisea Hister gall
7730 *Panicum* (knobbed) no 202; 1947
" in woods west slope below ditto
High Point Cliffs. var. fasciata (Torri) H.P.C.

7731 *Gramineae* = *Festuca ovina* Schreng. ditto
" near # 7730. " e

7732 *Panicum depauperatum* Muhl. ditto
" with # 7730 " e

7733 *Carex cephalophora* Muhl. ditto
" near # 7730 " e

7734 *Lysimachia angustifolia* Mill ditto
" in thin woods at foot of slope below High Point Cliffs. " e
near slope.

Cardiocrinum giganteum Mayr.
In woods near
slope below High
Point cliffs.

Bull Run Mt., Va
Fauquier Co
June 9, 1940
H. A. Allard.

Danthonia spicata (L.) Beauvois. Bull Run Mt., Va
Fauquier Co

In high brown sedge June 9, 1940
7742 field, where ^{herb} clover, south
12, ^{intermixed with} of Hagerell Gap,
Andropogon scoparius. H. A. Allard.

7736 *Panicum depauperatum* Muhl.
" near # 7735

7737 *Botrychium virginianum* (L.) Sm.
" near # 7735 in rich woods; very
abundant; fruiting.

7738 *Panicum depauperatum* Muhl.
In old brown sedge field near
bare areas where plots were laid out
near slope below High Point Cliffs. e

7739 *Senecio smallii* Britton ✓
" In open pine woods and
near granite in old fields above.
P.D. plots on west slope below High Point
ridge

7740 Gramineae = *Festuca officinalis* L.
(2) In woods below High Point Cliffs
west slope.

7741 Gramineae = *Poa compressa* L.
" In Costelloe's old pasture along
old road leading toward where
Sibley's lived; occasional.

7743 Gramineae
(3) where no parks at Costelloe's,
growing along roadsides and in
old fields here; very abundant.
= *Festuca elatior* L.

7744 *Houstonia purpurea* L
" a constituent of high brown sedge
field beyond Costelloe's, Hagerell Gap,
where found in the interface.
Does better in old abandoned fields. e

7745 Gramineae = *Poa compressa* L
" with # 7744, where an occasional
constituent.

7746 *Crataegus crus-galli* L
" In high brown sedge field
beyond Costelloe's with # 7744. e

7747 Gramineae *Danthonia spicata* (L.) Beauvois
" In high brown sedge
field beyond Costelloe's, where
an occasional constituent with
7744.

7748 *Senecio smallii* Britton ✓
(2) Occasional in some brown sedge
field with # 7744, in more open
interface. Prefers more open pastures.

Danthoeria spicata (L.) Beauvois. Bull Run Mt., Va
west slope.
In high brownedge ⁷ T. angustifolia
7749 field beyond Castille's June 9, 1940
(1) where found in H. A. Allard.
interspaces along
openings, roadways etc; a regular
constituent.)

7750 Panicum linearifolium Scribn.
" with # 7749, in interspace ditto
et.

7751 Carex hirsutella Marsh.
" with # 7749; a common
constituent here in Castello's
high brownedge field. ditto

7752 *Oxalis stricta* L. ditto
" with # 7751: a constituent
in the interspaces here. 1 e

7753 Panicum deauratum Mabel.
" in same field with #7751; ditto
a scattered constituent.

7754 Habenaria latifolia L
(4) on High Point cliff: full bloom ditto

7755 *Asclepias variegata* L. Prince William Co ditto
31 (white flowers) ditto
On grassy area on road to
Antioch, from and near #55, x
In old field. One clump; not common.

Geranium
waste ground at dark houses
Arlington, Va.
Arlington, Va.
June 11, 1940
H. G. Allard
=

7757 *Carex tribuloides* ^{var. bl.} Massanutton Mtn., Va.
(8) In red spot bogs Shermanrah Co
at mountain on road 6-16-40
from point where we parked on ^{not} slope of ^{17.4} Allard
at end of Pugh's Run near ^{at end of} Pugh's Run road,
at end of Pugh's Run near ^{2 m. from} Burnside ^{with} of moderate, on slopes
all of meadow and shale barrens.
7758 " *Commelinia* ^{var. t.}
" *Commelinia* ^{var. t.}

Smilacina ereta
On "shall banenz" prairie with ditto
Clitoria mariana etc; abundant
here (not in bloom). True banenz
not present.

7759 *Morus rubra* L. (in flower bloom). True balsam popl. (3) on shale slope in pasture ditto near Mr. Burners on road had his barns ; first ripe ; more sour than mine (*M. alba*)

7760 *Verbascum phlomoides* L. *var. tenuifolium* (M. alba)
(2) On Pugster Run near U. S. 11, on
limestones; full bloom; abundant;
more showy than *thapsus*; a deeper yellow
ditto

7761 Stylosanthes riparia Kearney
" on shores of barren (thin pine etc) ditto
pasture of wood road from car: abundant
full bloom.

7762 Lorfedega violacea (L.) Pers. ditto
(2) with # 7761; abundant in
dry pasture (shale) here.

Hieracium venosum L. Massanetta Mt., Va
 High up on wooded shale slope, Shenandoah Co
 in wood road; abundant. 6-16-40
 Ha. Allard

7763
 " on shale at end of Pugh's
 on road leading up slope Run road north of Woodstock,
 from car,

7764 *Rosa hirsutissima* Marsh ditto
 " Near # 7763; abundant; full flower
 on shale slope, wooded or otherwise.

7765 *Erigeron annuus* (L.) Pers. ditto
 " wood road near # 7763;
 ad old fields; abundant road.

7766 *Erigeron ramosus* (Walt.) B.S.P. ditto
 " Near # 7765; abundant in old
 fields etc.

7767 *Rumex elongatus* Guss ditto
 " with # 7765

7768 *Sanicula trifolia* Bicknell ditto
 " Near # 7767; abundant.

7769 *Juncus* ditto
 " Near # 7767.

Deschampsia flexuosa L. Trin Massanetta Mt., Va
 In dry soil above shale barren. 6-16-40
 Shenandoah Co

7770
 " on shale slope, a road
 in open woods etc. Pugh's Run north of
 Woodstock, Va.

7771 *Danthonia compressa* Anat ditto
 " On shale along road
 in pasture; abundant.

7772 *Carex* In wet spot
 below old house high up ditto.
 mountain - see copperhead
 snake was found drowned
 (one plant only)

7773 *Carex shortiana* Denney
 = *Carex cephalophloea* Muhl.
 " from one clump ditto
 in wet spot in woods with
 # 7757

7774 *Panicum* ditto
 " Near # 772 on wood road

7775 *Antennaria neodivisa* Greene ditto
 " On steep shale barren prairie -
 abundant here

7776 *Houstonia longifolia* Gaertn ditto
 " On shale barren prairie etc;
 abundant.

Trifolium procumbens L. ^{Massanutton Mt., Va}
very abundant in ^{Shenandoah Co}
1977: old pasture ⁶⁻¹⁶⁻⁴⁰
" " etc. ^{H.A. Allard}
at end of pasture on shale
at end of Purple Spring road
north of modestock. [✓]

7778 *Potentilla recta* L. [✓]
" " ^{in same pasture with #7777} ditto
Very abundant here; full bloom;
native woods; wants open. [✓]

7779 *Vaccinium corymbosum* L. [✓]
" " ^{on shale barren prairie; plants} ditto
with beautiful mottlings of maroon or
burning. [✓]

7780 *Celtis occidentalis* L. [✓]
" " ^{on barren prairie; in fruit.} ditto
scattered here [✓]

7781 *Opuntia vulgaris* L. [✓]
" " ^{with #778.} ditto
Very abundant: just coming into bloom.
Boiled them, then dried them, but the
elder joints dried very slowly. [✓]

7782 *Nymphaea adonis* L. ^{Bull Run Mt., Va}
Leaves blooming ⁶⁻¹⁵⁻⁴⁰
erect. ^{Tangier Co.} [✓]
In Broad Run above
(west) of Thoroway before fall
several colonies; full bloom. [✓]

7783 *Morus alba* L. ^{H.A. Allard's garden}
1971 Juvenile, peculiarly - ^{3000-7th. St. N. Arlington}
lobed leaves ^{5 in. in dia.} [✓]
Tree cut down in Va; Arlington Co.
spring ^{June 21, 1940}
and there on new shoots. [✓]
Never this type on old shoots. H.A. Allard [✓]

Morus alba L. ^{H.A. Allard's garden}
normal leaves of
large old tree. [✓]
7784 Compare with
3, #7783 [✓]

3000-7th. St., North,
Arlington, Va., Arlington
Co., June 21, 1940
H.A. Allard. [✓]

7785 *Geranium carolinianum* [✓]
" " ^{in Dr. Clayton's old} ^{Arlington Farm}
tobacco seed beds. ^{Virginia}
June 26, 1940 [✓]
H.A. Allard [✓]

7786 *Stellaria graminea* L. [✓]
" " ^{on lawn around above} ditto
tobacco beds; full bloom. [✓]

7787 *Halisoga trifolia* (Raf.) Blake [✓]
" " ^{var. trinervia} ditto
Between tracks at dark bushes [✓]
(Abundant; full bloom). [✓]

7788 *Dianthonia spicata* L. [✓] ^{Beard}
" " ^{in drift in cliff at} ^{Bull Run Mt., Va}
High Point cliffs. ^{Tangier Co.}
June 30, 1940 [✓]
H.A. Allard. [✓]

7789 *Panicum clandestinum* L. [✓]
" " ^{in woods along cartroad} ditto
S.W. of Riley's old cabin, on
ascend to High Point trail. [✓]

7790 *Panicum tanguticum* Nash. [✓] ditto
" " ^{on High Point cliffs in}
dry soil. [✓]

Juncus marit. S. T. Gray. Bull Run Mt. Va
On High Point Cliffs. Fauquier Co
7791 June 30, 1940
H. A. Allard.

7792 *Panicum basaii* Poir
(2) In woods near slope below ditto
High Point cliff. e

7793 *Gramineae* - *Festuca obtusa* Sprng
(1) In woods near brook ditto
below High Point (west slope) e

7794 *Agrostis* *Poa holostrix* L.
(2) In shade of thin locust wood ditto
around old farm at foot of High Point
Cliffs where old mansion stands. e

7795 *Galium circaeana* Michx.
(2) In rich woods below High Point ditto
cliffs, west slope; abundant; leaves
in 4's. var. *hypoleucum* Horn e

7796 *Panicum lindheimeri* Scribn
(1) On bank beside road on ditto
Broad Run - Hopewell highway. e

7797 *Panicum* *Festuca obtusa* Sprng
(1) In old pasture near plots ditto
laid out on chemical barrens.
south of Hopewell Gap and east of
Hopewell - Broad Run highway. e

7798 *Stenotaphrum ciliatum* (L.) Raf.
In low moist ground Bull Run Mt. Va
in locust grove near Fauquier Co

7799 Barn, near 7794 June 30, 1940
(5) abundant; long rhizomes H. A. Allard.
more produced, 6-8 inches long. e

Plant # 1 - 3 rhizomes - 5 1/2 in 8 in 7 3/4 in
" " 2 - 3 " - 5 1/2 " 5 1/2 " 6 in:

" " 3 - 1 " 4 1/2 in branched 2 1/2 in

" " 4 - 2 " 6 and 6 1/2 in 1 1/2 in

" " 5 - 2 rhizomes - 3 and 3 1/2 in long

= *Typimachia ciliata* L.

Danthonia spicata (L.) Beauvois
In pasture near Riley's cabin, ditto

7800 *Scutellaria galericulata* Pers. ex L.

" " In thicket near Castello's ditto
grassy spring. Also in woods
of west slope below High Point cliff. e

7801 *Phleum pratense* L

(3) In old pasture near cabin ditto
above Riley's lined and e
woman died.

7802 *Rumex crispus* L. ditto

(2) At Castello's grassy spring
in waste ground; abundant. e

7803 *Euphorbia corollata* L.

(1) Very early and small blundered
on barren soil areas where plots
were laid out; covers these areas.
Is this a normal form?

7804 *Rosa setigera* Michx.

(3) Beside road from Hopewell to Broad Run
station in thicket; an escape or survival
from some long since gone cabin; very
showy; in full bloom; resembles American
Pillar; my only record in Bull Run area.

Hydrangea arborescens L
In rocky woods
7805 below High Point
ridge cliffs; abundant,
full bloom,
on slope S.W. from
Pileja cabin, w old wood road marked
by P.A.T. II line.

7806 *Tephrosia virginiana* (L.) Pers. ✓ ditto
1/2 on rock shelf at top of High Point
cliffs; passing bloom,
not common in Bull Run area.

7807 *Dryopteris spinulosa* (Müll.) Watt.
1/2 in deep niches on High Point
cliffs. ditto

7808 *Athyrium asplenioide* (Michx.) Desv.
1/1 Lady fern.
In rocky moist woods just below
High Point cliffs, west slope. e

7809 *Spiraea canadensis* (L.) Knobtze. ditto
1/1 moist shaded woods
near brook below High Point cliffs,
west slope; not abundant. e

7810 *Gium virginianum* L
caradene var.
1/1 In locust woods around
old house, half stone, half wood
west slope below High Point cliffs.
abundant; just in flower; fl. white.

7811 *Rosa carolina* L
1/1 In old broomedge pasture
near barren areas where plots
were plowed to cornfield & sown; common.

Rumex obtusifolius L
Bull Run Mt., Va
Fauquier Co
Roadside banks
near barren plots:
7812 abundant.
1/2

Rumex obtusifolius L
Bull Run Mt., Va
Fauquier Co
June 30, 1940
H.A. Allard
west slope below
High Point cliff e

7813 *Sanicula canadensis* L
1/1 In locust woods near 7810;
abundant. ditto e

7814 *Lonicera japonica* Thunb. ditto
1/1 In broomedge pasture near
barren areas; leaves rather
smooth or glabrous; more than
with some hairs. e

7815 *Apocynum cannabinum* L
1/1 In high broomedge pasture ditto
(Castilleja) where quadrat was made.
abundant; full bloom. e

7816 *Rudbeckia hirta* L
1/1 In Castilleja's old field just
west of spring and quarry; abundant,
full bloom; scattered in high
broomedge field. ditto e

7817 *Ulmus americana* (L.) L
1/1 Leaves covered with corky comb
like dull red aphid galls; very leafy &
trunk thus affected, and therefore very
striking (Wall = *Colophila ulmicola* Rich.) ditto e

7818 *Scutellaria ovalifolia* Pers.
subsp. *omollis* Ehl.
1/1 On edge of thickets near
Castilleja quarry and spring; full bloom. ditto e

Oxalis europaea f. *aprasoides* (L.) Bull Run Mt., Va
 in old field
 7819 near cabin (all) June 30, 1940,
 (2) Riley woman near Hapcell Gap
 died in. ^{near} Tianguer Co., e
 and below High Point cliff.

7820 *Geranium carolinianum* L. ditto
 " at Riley's old cabin near high broomedge field south of Hapcell Gap. ^{var. confertiflorum} Henn.

7821 *Asclepias syriaca* L. ditto
 (2) Found a large ramp colony, ditto in waste ground around Riley's cabin, full bloom.

7822 *Hardyosa jutatum* L. ditto
 (4) at Lynn Grass, on beach covered inland: very abundant, soft, mobile, delicate and delicate of siberry greenish color; near Howard Johnson Inn.

7823 *Lathyrus* (hirsutus fl.) ditto
 at Matapeake Ferry, Kent Island, Md., in waste ground here. Long stolons dev on plants 1, two, one being $14\frac{1}{2}$ in; one 9 in long

" " #2 " , one " 18 " ; " 2 " "

7824 *Saponaria officinalis* L. Bull Run Mt., Va
 around Costell's quarry ^{Tianguer Co.} July 14, 1940
 spring, near Hapcell Gap; H.A. Allard. full bloom

7825 *Hypericum punctatum* L. ditto
 full bloom; in high broomedge field in interspace, scattered south of Hapcell Gap.

Linum medium (Planch.) ^{Bull Run Mt., Va} ~~Britton & Tanguer Co.~~
 in interspace in Costell's July 14, 1940

7826 High broomedge field. H.A. Allard
 " scattered; full bloom. fl. yellow. ^e
 Linum medium (Planch.) ^{treb.} ~~var. tenuum (Planch.) Henn~~ [✓]

7827 *Cirsium pumilum* (Willd.) ^{new} ditto
 (2) in old broomedge pasture near barren areas south of Hapcell Gap. Abundant; full bloom here. None in high broomedge field. ^e

7828 *Verbascum blita* L. [✓] ditto
 (3) in high broomedge field in interspace: scattered; full bloom. ^e ~~ditto~~
 multifidum L.

7829 *Hypericum ascyron* [✓] ditto
 " in old field in valley east of ^{Grave Hill} Bull Run area.

7830 *Carex lasiandra* L. ditto
 " growing in fork of an old tree in accumulated vegetable detritus ditto nest slope below High Point cliff in wood.

7831 *Cetaria mariana* L. [✓] ditto
 (2) in thickets along trail at top of High Point cliff; full bloom; all along trail at High Point. Flowers large, bluish lilac, very beautiful.

7832 *Corylus americana* Walt. [✓] ditto
 (4) at Costell's quarry spring in damp soil near brook here: abundant here and very fruitful.

Pyrantbium flexuosum (Walt.) P. S. Bull Run Mt., Va
In old field (in corn) July 14, 1940
years ago) just east of Fangier Co
7833 Costello's quarry, west slope. H.A. Allard.
151 ie where great quantities of half high
blackberries, - to west of valley road near
Hooper Gap. Abundant: full flower. e

7834 *Apoynum cannabinum* L. (Mitchell) A. DC. ditto.
121 In old field near stone walled Prince William Co
at old cabin in valley east of High Point. e
This far up the valley road.
abundant: full bloom.

7835 *Nepta cataria* L. v
around old cabin abandoned Prince William Co
where 7834 grows: full bloom: Prince William Co
abundant. e

7836 *Cruciferae*: *Brassica kaber* (DC.) Wheeler
11 with * 7835 var. *pinnatifida* ditto ditto
= *Sinapis arvensis* L. (L.) Benth. & Presl (Stokes) Wheeler.
Brassica arvensis (L.) Benth. & Presl. of Gray. e

7837 *Anthemis cotula* L. v
131 In same waste ground with ditto ditto
* 7835: full bloom. e

7838 *Corephiscutella* Meek.
121 In old stone field at walled-in spring ditto
with * 7834. e

7839 *Leehea leggettii* var. *moniliformis* (Bickn.) Hodgson
11 In dry, abandoned field growing ditto ditto
with * 7834; abundant. e

Hypericum perforatum Lam., Bull Run Mt., Va
In old field near Fangier Co.
7840 walled-in spring July 14, 1940
121 beside # 7834 H.A. Allard
Prince William Co. e

7841 *Linum medium* (Planch.) Bittner ditto
121 In dry field with ditto.
* 7834, L. medium (Planch.) Fern. v
var *tepanum* (Planch.) Fern. e

7842 *Leehea racemulosa* Lam. ditto
131 In old field with ditto
* 7834: abundant. e

7843 *Scirpus atrocivirens* Michx.
121 In cold brook - overflows ditto ditto
from walled-in spring there
* 7834 grows: a large clump here. e

7844 *Succowia asteroides* (L.) B. S. P. ditto. ditto
121 at first flagstone quarry ditto
in valley road near big red oak tree
abundant: full bloom. e

7845 *Juncus maevar* S. F. Gray. ditto ditto
141 with * 7844 - at quarry. e

7846 *Leehea racemulosa* Lam. ditto
121 At same quarry with * 7844. ditto
e

Panicum birdsei Nees Bull Run Mt., Va
 In dry old field in Prince William Co.
 7847 valley below High Point July 14, 1940
 (east) at walled-in H. A. Allard.
 21 spring and cabin.

7848 *Lactuca canadensis*
 11 bl. yellow; all stems gone. Hand ditto.
 In old field near old chimney stood near first flagstone quarry in valley east of High Point ridge, abundant: full bloom.

7849 *Lactuca canadensis*
 11 near # 7848 ditto

7850 *Rudbeckia hirta* L.
 12 in same old field near # 7848 very abundant: full bloom.

7851 *Cirsium pumilum* (Nutt.) Spreng. 1 ditto
 In first old field near old chimney stood just N. of railroad at Beverley Mill, on valley road; abundant: full bloom.

7852 *Sporvea hederacea* Jacq.
 11 on banks in woods on valley road north of Beverley Mill, east of High Point.

7853 *Sporvea hondurata* (L.) G. F. W. Mey.
 12 in barren plots: roots very superficial: some very large - one of stems 9 in. long; 6 in. wide. Full bloom; buds at surface of ground, very abundant here, 2

allium porrum in Allard's garden, Arlington Co., Va
 (common leek) Arlington Co., Va
 7854 full bloom, H. A. Allard July 7, 1940
 31 (a single long, twisted July 7, 1940
 stamen asserted as in a. *anguloprasum*)
 from York, Va., with purple flowers.

7855 *Corynza cordifolia* (Lam.) K. Koch July 21, 1940
 14 at foot of cliffs at K. Koch's in Prince William Co.
 High Point; large trees, H. A. Allard.
 (Buds yellow)

7856 *Astilbe pinnatifida* Nutt. 1
 11 at High Point cliffs on ledges ditto
 Found by Mr. Wagner. This the second specimen found here: one by me = # 7728

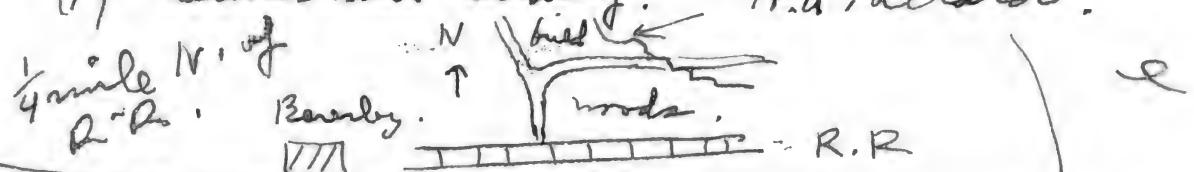
7857 *Arctium minus*. Bernh. 1
 12 at Riley's old cabin beyond Castello's, full bloom, abundant.

7858 *Galium pilosum* (L.)
 11 on bank under tree Prince William Co.
 in old field; abundant.

7859 *Orchidaceae*
 11 on road side bank in damp woods well up toward Hafecell Gap on Valley road: not in *Habenaria clarellata* (Mich.) Spreng.

7860 *Helianthus silphioides* trifoliate ditto
 11 near walled-in spring in old field far up valley road.

Galium triflorium Michx. Bull Run Mt., Va.
In damp woods along
brook on valley road
H.A. Allard.
July 21, 1940
" at right turn
leads into swamp.
H.A. Allard.



7862 *Sanicula canadensis* L. ditto
" in same wooded ditto
same swamp - a brook flows
plain where big teeth trees with # 7861.
abundant.

7863 *Geum canadense* Jacq. ditto
" in same swamp woods with # 7861 ditto
A long basal rhizome under leaves
leaflets but with nodes, and very
capillary leaflets, 2 2 1/2 inches.

7864 *Laporta virginiana* (L.) Greene.
" ^{4 nodes} _{capillary} leaves a very coarse.
Boraginaceae
in same swamp woods with # 7861 ditto

7865 *Laporta* ditto
" in same swampy woods with # 7861 ditto

7866 *Geum canadense* Jacq. ditto
" with # 7861 e

7867 *Festuca officinalis* Spreng.
Gramineae ditto
" with # 7861 e

Galium circaeum Bull Run Mt., Va.
Prince William Co
July 21, 1940
H.A. Allard.
var. *hypoleucum* Fern

7869 *Boehmeria cylindrica* (L.) DC. ditto
" in same woods with
7861. e

7870 *Agrostis alba* L. ditto
" grass
(whitish variegation)
In damp soil on road side bank
1/4 mile N. of Beverley Mill on valley
branch off valley road N.

7871 Umbelliferae.
" in same locality near # 7861 ditto
= *Thaspium barbinode* (Michx.) Nutt. e

7872 Umbelliferae ditto
" with # 7861
= *Cryptotaenia canadensis* (L.) DC. e

7873 *Panicum polyanthos* Schult. ditto
" in damp soil by roadside
a few hundred yards N. of R.R. on
valley road near Beverley. e

7874 = *Thalictrum perfoliatum* Greene. ditto
" Thalictrum =
with # 7873. e

Ophioglossum vulgatum L. Bull Run Mt., Va
In fern woods a few hundred feet north of railroad
July 21, 1940
7875 on Valley road H.A. Allard
" below Bunker Mill H.A. Allard
" found by Mr. Wagner.

7876 *Panicum polyanthes* Schult. ditto
" on road side bank in
woods near # 7875

7877 " *Malaxis uniflora* Michx. ditto
Orchidaceae. In same woods near Rail Road
with # 7875

7878 *Microstegia unifolia* (Michx.) B.S.P. ditto
" In moist woods at left of valley
road below Bunker Mill and just
north of railroad about 500 ft.
my first record

7879 *Helianthus divaricatus* L. Massanutton Mt., Va
" abundant full bloom South end of Short Mt.,
on dry shales poor near Mt. Jackson,
half way to rock slides Shenandoah Co
August 3, 1940
H.A. Allard

7880 *Euphorbia corollata* L. same shale bank, ditto
On dry shales; scattered, not abundant on shales of Short Mt.

7881 *Eragnathia capillacea* (L.) Stev. ditto
" On barren shales in open half way
of barren prairie. Not common.
My only specimen here.

Paronychia fastigiata Massanutton Range, Va
var. *halleria* Fenzl. Short Mt., south end
see Hodora, 38: 421, 1936, near Mt. Jackson.
July 21, 1940, August 3, 1940

7882 Here stipular bracts H.A. Allard.
" longer than calyx so am calling it this.
Abundant on the shale barren prairie
well of slope; note capsule as broad
as high or higher than broad.

7883 *Houstonia longifolia* Desv. ditto
" scattered on shale barren prairie ditto
well of slope; note capsule as broad
as high or higher than broad.

7884 *Panicum ashei* Pearson ditto
" at foot of high cutting cliff in
shades of woods, on barren.
Named by Mrs. Chase.

7885 *Carex umbellata* Schkuhr. Benth. ditto
" at foot of cliff in dry soil in shade ditto
of woods well under overhang.
Shutting

7886 *Bidens bipinnata* L. ditto
" at foot of cliff beneath overhang
near # 7885

7887 *Paronychia canadensis* (L.) Wood ditto
" beneath overhang at foot of cliff in
dry soil in shade of woods near
7885
Slabrook.

7888 Beneath ~~osier~~ ^{osier} ~~transm~~ transm
" cliff near # 7885 ditto
= *Agrostis perennans* (Walt.) Tuckerman
Named by Agnes Chase.

Crataegus
on dry exposed barrens
7889 high up where
" Alliaria vernum
" is so abundant.

South end of Short Mt., Va
near Mt. Jackson,
Massanville Range
Shenandoah Co
August 3, 1940
H.A. Allard.

7890A. Danthonia spicata (L.) Beauvois.
abundant on shale barrens higher
ditto named by Agassiz
chase.

7890 Woodia obtusa (L.) Sprng
" On dry exposed broken shale outcrops
high up near ledges, where Alliaria so
abundant.

7891 Chileanthes lanosa (Michx.) Wats.
" on barren shales and in fractured
outcrops of shale cliff below cliff
abundant here.

7892 Athyrium filix-femina (L.) Oakes
" on driest barrens at fragmented
shale cliff below upper cliff; scattered.

7893 Crataegus
" on dry barren shales all of slope. ditto

7894 Athyrium montanum Willd
(2) on crevices of highest cliff above
shale slopes; (in places abundant here.)

7895 Conyza semperflorens (L.) Pers
(2) at top of cliff in damp pockets
of soil etc: full bloom and ripening seed.

Bidens bipinnata L
On top of cliff
7896 in pure black
organic soil
3, 2 in. dia only on flat rocks hollowed,
h. H. = 6.5.

7897 Carex umbellata var. ovata Benth.
" at foot of cliff beneath overhang. ditto

7898 ~~Crataegus~~
" on shale well of slope ditto

7899 Lepidium virginicum L.
" on dry shales prefer where Scalogynella
impestis grows. Past. ditto.

7900 Paronychia fastigiata var. paleacea Pers
" on shales nearly bare
near foot of barren prairie; ditto.
abundant here and in bare
spots in pasture below.

7901 Houttuynia longifolia Gaertn
" on lower slopes of possibly
cult. pasture near red bed colonies
on way to foot of Short Mt.
(capsule as high as broad or higher)

7902 Bidens bipinnata L
" on shale barren prairie well
up slope: scattered in mostly
bare spots over Short Mt. barrens.

Paronychia fastigiata (Warts subending bar) ^{South end of Short Mt., Va}
hastata Smith Massanutton Range, Near Mt. Jackson Aug. 3, 1940
 7903 (ii) On shale, well of barren prairie, ^{hales} ^{long} ^{floral} ^{now} ^{as or longer than calyx} ^{H.A. Allard}
 (Named by Agnes Chase)

7904 *Polygonum dumetorum* L. ^{1/2} ditto
 " on barren shale half way up slope; very dwarfed - ^{1/2} foot or less tall; seeds black, shiny.

7905 *Houstonia longifolia* L. ditto
 " (calyx as high as broad) On shale barren prairie well of slope, abundant or well distributed over shales and in woods above.

7906 *Rhus aromatica* Marsh = (*R. canadensis* Ait.) ^{gray} ditto
 " in patches on shale barren prairie well of shales; fruit dry, hairy.

7907 *Polygonum ternatum* Michx. ditto
 " On shale barren prairie well of slope - in bare spots; frequent

7908 *Taenidia integrifolia* (L.) Drude ditto
 " on shale barren prairie well of slope; scattered; best flower; in woods among rocks above shale barren, ^{hirsuta} (Michx.) Nees.

7909 *Eragrostis capillaris* (L.) Nees ditto
 " on barren black shales by roadside in cut where we parked car at foot of slope. (Named by Agnes Chase)

Eragrostis capillaris (L.) Nees Smith end of Short Mt., Va Massanutton Range Beaside # 7909 Hernandez Co 7910 = *Eragrostis uliginosa* (L.) Nees ^{Aug 3, 1940} (H. A. Allard)
 " (haven't yet found it) on mountain shale barren prairie (Named by Agnes Chase)

7911 *Solidago uliginosa* Muhl. ditto
 (2) On shale barren prairie well of slope and just in flower; frequent here and in woods above.

7912 *Vernonia glauca* (L.) Willd. ditto
 " in pasture growing up below barren and near red bud colonies on way to barren prairie; not common here.

7913 *Lactuca scariola* L. ditto
 " roadside near where we parked car on dry shale at foot of mountain.

7914 *Lactuca sativa* L. ditto
 " near # 7913 by roadside on dry barren shales;

7915 *Polygonatum incanum* (L.) Michx. ditto
 " in thickets near foot of barren prairie - a mostly pasture with red bud etc. also on shales. (full bloom)

7916 *Geum virginianum* L. ditto
 " by thickets in pasture growing just below barren, but in barren prairie, a very extensive colony here near red bud colony.

Gem-virginianum L Smith end of Short mt., Va
massamites Range
on shale below
nubby woods: on
7917 barren prairie,
" "

Pentstemon pallidus small
on shale barren prairie where frequent
but past flower. South end Short Mt.

7924

" "

7918 *Quercus borealis* Michx var *magnum* (Marsh)
(3) On shale barren prairie all over - ditto
and abundant; much stunted, gnarled
but fruits when small.

7925 *Scrophularia leporella* Bicknell ditto
" On shale barren prairie well up
slope; also on top cliff where
just past flower, several days later there are
sheaves; frequent

7926 *Carya glabra* (Mill.) Spreng

" On shale barren well up
at alluvium colonies at
shale ledges. ditto

7927 *Quercus borealis* var. *magnum* (Marsh)
(3) On top of cliff at highest
point of ridge: good sized tree ditto
here

7928 *Bidens bipinnata* L

(2) In fine leafy organic soil
from detritus on flat rocks at
top of cliff. ditto

7929 *Limus virginiana* L

(2) On eroded shales in pasture
just below barren where red bud,
astragalus gross. ditto

7930 *Viburnum prunifolium* L

(2) On shale barren prairie - where
scattered - well up slope, in green brush ditto

7920 *Carya glabra* (Mill.) Spreng.
(3) On shale barren prairie throughout ditto
where frequent, stunted, but fruitful,
bearing when of small size.

7921 *Bidens bipinnata* L
(2) On dried over areas of shale barren ditto
barrier; frequent here; also in thin
organic soil on rocks at top of ledges.

7922 *Fragaria americana* L
On shale barren prairie where ditto
(6) abundant, stunted, but fruitful.

7923 *Carya glabra* (Mill.) Spreng.
(2) On shale barren prairie; frequent, ditto
fruitful but gnarled.

Celtis occidentalis L. south end Short Mt., Va
on shale *Tarvenia praefer* Massanutten Range
well up slope; frequent Shenandoah Co
7931 here; a bushy form, August 3, 1940
very fruitful. H.A. Allard.

7932 *Hedychium americanum* L.
(1) on shale *Tarvenia praefer* well
up slope; frequent; past flower ditto

7933 *Carya glabra* (Mill.) Spreng.
(4) in pasture where pine, red bud
etc just before red bud area reached
below *Tarvenia praefer*. ditto

7934 *Carya glabra* (Mill.) Spreng.
(5) on shale *Tarvenia praefer* well up
slope; frequent; fruitful though
small, ditto

7935 *Allium cernuum* Roth
(8) very abundant, full bloom all over
more open barrens well toward wooded
zone; Most abundant here and very
vigorous in the barrens, especially at
and above the first shale outcrop ledge. ditto

7936 in pine woods (thin) Three Top of Mt.,
(1) on shale of old pasture Massanutten Mtn.,
near spine in park. Shenandoah Co
at foot of road. August 14, 1940

Paronychia fastigiata var.
7937 abundant, in open situations. H.A. Allard.

(2) *Plantago aristata* Michx.
Near # 7936; abundant mostly past. ditto

Agromyza rostellata Three Top of Mt., Va
valley. Massanutten Range
in opening in Shenandoah Co
7938 pasture woods August 14, 1940
on shales, of low H.A. Allard,
(2) inclination beyond the pine banks,
(bl. yellow)

7939 *Lobelia inflata* L.
(#) in same open woods in shade
(5) in ravine with # 7938 ditto
abundant here, not on shale
Tarvenia praefer.

7940 *Cirsium lanceolatum* (L.) Willd.
(3) in old pasture going up to ditto
thin deciduous woods at pine on
road way leading along flats east of
Mrs. Burner's place, abundant, full bloom

7941 *Houttuynia longifolia* L.
" in pasture thicket, covered
with pine etc on dry shale green ditto
(east) of where we parked 4 miles.

7942 *Paronychia canadensis* (L.) B.S.P.
" on same dry, ~~wooded~~ with # 7941, ditto
less inclined hillside near Mr. Burner's
back road; abundant

7943 *Stylanthus biflorus* (L.) B.S.P.
(2) with # 7942 abundant; still
in flower. ditto

7944 *Leptodeira repens* (L.) Bart
" with # 7943; abundant;
full bloom. L. procumbens
branching at apex, but not in flower.

Lespedeza procumbens Michx. Th. Three Top Mt. Va
on dry shales in Massanutten Range,
7945 pasture east of Shenandoah Co
" Mr. Burner's place Aug. 14, 1940
grown up to pines etc. H.A. Allard
Dry; much *Opuntia* also.

Gramineae.

Three Top Mt., Va
Massanutten Range,
Shenandoah Co
Aug. 14, 1940
7946 *Paronychia canadensis* L. BSP.
" in moist shish far up, near ditto
shale prairie, rare a spring shot
in roadside. Here also *fir* *lanceolatum*
grown to great size. Partly shaded. (at one time
abundant)

7953 *Paronychia canadensis* (L.) BSP.
" Growing with # 7952, etc. ditto

7954 *Cyperus longus* var. *roseiformis* (Pursh) Fern.
" shiny leaf, after *Cyperus rotundus* ditto
" in damp, soil in pasture east of Mr. Burner's along old
roadway here above the flats.

7955 *Tridax procumbens* (L.) BSP. ditto
(2) var. *microcephala* (Mich.) Fern
Growing intermingled with # 7954

7956 *Vernonia glauca* (L.) Willd
" dry open wooded pasture of ditto
second growth pines, *ferns* etc.
on hill above road to rear of Mr. Burner's
house along the flats.

7957 *Rhus radicans* L.
" fruit subglobose, glabrous, greenish ditto
Low, bushy farm 2-2 1/2 ft. high, spreading
large patches on steep, dried slopes
of barren prairie where I fell; abundant

7958 *Commelinaceae*.
" on steep, dry shale barren
where I fell; abundant; passing bloom,
(confused with E.C. Leonard 8-27-40)

7946 *Paronychia canadensis* L. BSP.
(7) in moist shish far up, near ditto
shale prairie, rare a spring shot
in roadside. Here also *fir* *lanceolatum*
grown to great size. Partly shaded. (at one time
abundant)

7947 *Paronychia fastigiata* var. *paleacea* Fern.
(8) on barren shales covered with thin ditto
scrubby trees (*Quercus montana*) mostly.
Very abundant.

7948 *Paronychia canadensis* L. BSP.
(3) *Eragrostis* ditto
Growing with # 7946 same spot.

7949 *Cyperaceae* Juncaceae
(1) Growing beside # 7946 ditto
Luzula multiflora (L.) Lejeune.

7950 *Juncus macr. f. antebellus* (Wieg.) Hermann.

7950 *Althaea laciniata* L.
" in damp thickets with 7946 ditto
and *Cirsium lanceolatum* far up
slopes where a damp shot on a road
leading above shale banks.

7951 *Oxalis europaea* var. *cymosa* (Small) L.
in damp, wooded shot over wood road
with # 7946
(See Wiegand's treatment of *Oxalis*
(*Floridaria* 27: 135. 1925))

Houstonia longifolia L. Three Top Mt., Va
on steepest slopes of Massanutten Range,
7959 shale barren near Shenandoah Co.,
where I fell Aug. 14, 1940
" east of foot of Poughs H.A. Allard.
Rim; full bloom.
(Definitely is *H. longifolia*)

7960 *Paronychia fastigiata* var. *paleacea* Tern. & Atto
" on steepest shale barren near
* 7959: abundant here.

7961 *Setaria lutescens* (Wieg.) F. T. Hubb
" on dry shale in pasture to rear ditto
of Mr. Burner's house at foot of Poughs
Rim, where cactus is so abundant.

7962 *Hypericum perforatum* L.
" with * 7961: abundant here ditto
in pasture and waste ground.

7963 *Asclepias variegata* L.
" or *Asclepias viridiflora* L. ditto
on steepest shale barren with * 7959.
Not in flower; occasional.
= *Asclepias viridiflora* Ell. compared with C. C. Leonard
with U.S.N.M. material.

7964 *Hypericum ascyron* L. Bull Run Mt., Va
" in red soil along Bull Run Mt., Va
ditch banks along R.R.; Faquier Co
abundant August 18, 1940
H.A. Allard
West of Bremley Mill.

7965 *Commelinia communis* L.
" in red soil along Mill Race in ditto
thicket before Mill, and along rail road
where very common in ditches etc.; full bloom.

Oxalis europaea Jard. Bull Run Mt., Va
f. *gymnosa* (Small) Wieg. Faquier Co
in thickets, moist soil Aug. 18, 1940
7966 along Mill Race above H.A. Allard
" Mill; abundant: West of Bremley Mill
full bloom.
Pubescence of pedicels appressed, not
glandular, see Vriegond: *Rhodora* 27,
pp 113-138, 1925

7967 *Radicula palustris* (L.) Moench.
" near * 7966: mostly past. ditto

7968 *Asclepias incarnata* L. var. *melchior* (Coch.) Pers.
" along mill race above Mill: ditto
full bloom; wet soil. ditto

7969 Dodder; *Cuscuta grossissima* Willd
" on *Aster paniculatus* ditto
Along mill race in moist soil
and thickets; scarcely in bloom.
scabious laevigata.

7970 *Lactuca villosa* Jang.
" along Mill race in thickets ditto
near 7968: abundant, full bloom
fl. blue.

7971 *Eupatorium coelestinum* L.
" on damp soil along Mill Race ditto
above Mill with * 7968: full bloom,
fl. violet purple.

7972 *Campanula aparinoides* Benth.
" damp soil along bank of ditto
Mill race near * 7968; full bloom.
Stems roughened backward; supports
itself on other plants.

Boehmeria cylindrica (L.) Des
in wet soil thicket along
mill race above Mill.
7973 abundant

Bull Run Mt., Va
Fauquier Co
Aug. 18, 1940
H. A. Allard
west of Boscobel Mill.

Gramineae (more in flower) Bull Run Mt., Va
in wet soil in thicket almost Tangier Co
in water along Broad Run August 18, 1940
7980 above Mill (H. A. Allard)
" = *Glyceria striata* Lam. (H. A. Allard)
west of Boscobel Mill

7974 *Ulmus americana* L
" along Broad Run above Mill. ditto

7975 *Galinus asprellum* Michx
(3) In thicket along Mill Race supporting
itself on other boughs; leaf edges,
stems (angles) red veins, midribs of
leaves retroflex scabrous; abundant; full
bloom

7976 *Cuscuta gronovii* Willd.
(3) On *Sympetrum biflorum* ditto
along Mill Race with # 7975:
abundant; full flower; stems yellow.

7977 *Commelinia erecta* L
(2) Beside Broad Run and Mill Race ditto
above Mill: sheaths open.
Not abundant: full bloom.

7978 Umbelliferae = *Cicuta maculata* L
" in damp soil thicket along ditto
Mill Race above Mill.
Cicuta maculata L (Root tuberous; poison)

7979 Gramineal
(3) in moist soil along Broad Run ditto
above Mill; rank, tall.
= *Cirsia arundinacea*. e

7981 *Elymus virginicus* L. var. *intermedius* (Vasey) Benth.
" in moist soil along Broad Run ditto
with # 7980

7982 *Panicum polyanthum* Schult.
(2) in wet alluvial soil along ditto
Broad Run above Mill

7983 *Fallopia nigra* Marsh ditto
" Tree of medium size along
Broad Run above Mill: abundant

7984 *Spilophaera* *servicea* Marsh ditto
(2) shrub along Broad Run beside
7983; abundant. Leaves silvery
canescens beneath; blossoming when
drying.

7985 *Lobelia inflata* L ditto
" in thicket along Broad Run
between Mill Race and stream:
common.

7986 *Crotomopsis glandulosa* L. ditto
(2) along railroad; abundant above
Mill; dry soil, cinders etc. (Muell, Arg.)
stellate hairy.

Euphorbia dentata Michx. Bull Run Mt., Va
Along railroad above Mill in dry soil, Tanguer Co
cinders etc. Aug. 18, 1940 H. A. Allard

7987 (4) Abundant; full bloom here west of Bunker Mill
(seed rough) upper leaves very narrow,
whitish at base.)

7988 *Commelinia communis* L. Everywhere abundant along railroad
and on banks of soil etc. above Mill. full bloom; anterior petal white.
Petals size
not size Posterior
blue

7989 *Euphorbia corollata* L. Along railroad on banks etc. and
in track, cinders etc. above Mill; full bloom, seeds black, obtusely angled,
wrinkled, roughened.

7990 *Cynodon dactylon* (L.) Pers. On railroad here abundant
above Mill in cinders.

7991 *Linaria vulgaris* L. On dry embankments along railroad
above mill; passing flower.

7992 *Solidago juncea* C. & R. On railroad embankments,
dry, above Mill; abundant; full bloom.

7993 *Pyranthemum incanum* (L.) Michx. In thickets along railroad above
Mill; abundant; full bloom.

Dryopteris thelypteris (L.) Gray Bull Run Mt., Va
In moist soil at foot of rocky railroad cut above Mill, Aug. 18, 1940 H. A. Allard

7994 (4) Not fruiting here.

7995 *Cirsium discolor* (Michx.) Gray Along railroad in thicket
above Bunker Mill; also in cleared, scarified areas at foot of cliff where flag stones is cut; full bloom.

7996 *Quercus alba* L. Along railroad above Mill (west) on railroad.

7997 *Pinus strobus* L. On ledges just east of Broad Run station.

7998 *Populus grandidentata* L. All from same small tree partly
killed by fire: mostly leaves from new basal shoots;
smaller, smooth leaves from old limbs. Note
juvenile leaves larger, of different shape, more
woolly beneath and with diameter of teeth different.

7999 *Populus grandidentata* L. Juvenile woolly leaves from basal
shoots of another tree or same tree as
X 7998 but near above.

8000 *Sassafras albidum* var. *molle* (Raf.) T. & G. On ridge east of Broad Run station.
Leaves pubescent and twigs very pubescent.

Sericocarpus linifolius L. B.S.P. *Bull Run Mtn., Va*
on dry ridge crest and bank ^{1/2} *Tangier Co*
8001 (March 1940) east of ^{arlington Co} *Aug. 18, 1940*
(^{1/2}) *Broad Run Station*: passing.
H.A. Allard

Panicum
On vertical face of ^{arlington Co} *burrating* ^{1/2} *near Clark Station*
wall forming east boundary of Eng. 22
8008 *National Cemetery*. ^{1/2} *Aug. 22, 1940*
" Only specimen found.
H.A. Allard,

8002 *Eupatorium torreyanum* Thunb
(^{1/2}) with ^{1/2} 8001 Full bloom;
occasional. ^{1/2} *E. album* L. ^{1/2}
ditto

8003 *Quercus stellata* Wang
(^{1/2}) On dry ridge ^{1/2} nearly opposite
and across R.R. from *Beverley Mill*. ^{1/2}
ditto

8004 *Setaria viridis* (L.) Beauvois *Arlington Co., Va*
17/ From gray stone wall rising from Clark
station west, joining red stone wall
here running N. & S. Most abundant
plant on the wall. all green.

8005 *Euphorbia prostrata* Guss
" On red sandy stone setting near ^{1/2} *ditto*
junction with white at Clark Station.
Plants much less common on this stone.
This the only one of this species seen.

8006 *Oxalis stricta* L.
13/ On gray stone ^{1/2} *National Cemetery* ^{1/2}
wall, south portions ^{1/2} *near Clark Station*
" ^{1/2} *cof.* ^{1/2}
ditto

8007 " *Plantago major* L
On red sandstone wall near ^{1/2} *# 8005*. ^{1/2} *only plant found.* ^{1/2}
ditto

8009 *Digitaria sanguinalis* (L.) Scop.
" On vertical face of gray stone ^{1/2} *ditto*
wall of *National Cemetery* west of ^{1/2}
Clark Station, this morning E.P.W.
Only specimen found.

8010 *stellaria media* L
" A mass of dead stems only, with ^{1/2} *ditto*
leaves long dead. on gray portion of wall
near # 8009. Only specimen found.

8011 Small *Polygonum* plant
" 5 inches tall. On gray portion ^{1/2} *ditto*
of wall near # 8009. Only ^{1/2} *occurrence*

8012 *Acalypha virginica* L
16/ all on gray stone portion ^{1/2} *ditto*
near # 8009 - scattered along ^{1/2}
from Clark station west. Most ^{1/2}
abundant plants on the vertical face.

8013 *Euphorbia prostrata* Guss ^{1/2} *ditto*.
16/ on vertical faces of gray stone ^{1/2}
wall west from Clark station ^{1/2}
One of most abundant plants - ^{1/2}
8012 and # 8004 ^{1/2}

8014 *Polygonia canadensis* (L.) Wood ^{1/2} *Bull Run Mtn., Va*
" In sandy soil along ^{1/2} *woodroad* ^{1/2} *Tangier Co*
on ridge just opposite *Beverley* ^{1/2} *Aug. 25, 1940*
Wall north! scattered. ^{1/2} *H.A. Allard*.

Paronychia fastigiata (Raf.) Fern., Bull Run Mt., Va
var. *typica* Fern. Fangmier Co.,

parts mostly shorter than 1 ft. H. A. Allard
8015 flowers, but combat North of Thoroughfare Gap
(3) variable; stems red. Aug. 25, 1940

On ridge across ^(North) from Beverly Mill in
sterile soil on road; scattered. e

8016 *Lechea beggertii* var. *multiflora* (Bickn.) Hodgsen
" with # 8015: frequent ditto

8017 *Quercus marilandica* Muench
" on ridge near # 8015: scattered ditto
here and on dry ridge crests throughout. e

8018 *Eupatorium pulchrum* Muhl. v
" near # 8015: a colony here.
with # 8019. e

8019 *Eupatorium torreyanum*, fls. ^{album} L. v
" growing beside # 8018: scattered ditto
over dry, open wooded ridges at Thoroughfare
Gap: full bloom. e

8020 *Sericocarpus asteroides* L. B. S.
" along road leading from Rail Road
at Mill to High Point, on dry wooded ridge;
frequent; full bloom. H. A. v
- *Aster inquinans* Muhl. v
- *Aster inquinans* Muhl. v e

8021 *Gerardia laevigata* (Raf.) Raf.
auscularia L. v
" Near # 8020 on some road; abundant
in woods on ridges; full bloom. e
Lower leaves often with coarse, irregular teeth.

Paronychia canadensis (L.) Benth. Bull Run Mt., Va
Fangmier Co.

below High Point Aug. 25, 1940
on trail south to H. A. Allard
8022 Mill; sterile soil, North of Beverly Mill
" e

8023 *Laffinia virginiana* (L.) Greene. ditto

" On same trail. with # 8022
abundant; passing. e

8024 *Smilax rotundifolia* L. ditto

" on High Point cliff
very abundant here on shelves etc. e

8025 *Digitaria sanguinalis* (L.) Scop.

" on thin soil on rock shelf
at High Point cliff. ditto e

8026 *Polygala ambigua* Nutt.

" dry soil on hillside in
hasture. in valley road at ^{Prince William}
walled in spring 1/2 mile north of
Beverly Mill. e

8027 *Polygala ambigua*
9/ *Lechea* ditto

with # 8026; taller, later, greenish than
8028 with which it is intermingled.
= *Lechea beggertii* var. *multiflora* (Bickn.) Hodgsen. e

8028 *Lechea ramosa* L.

" growing with # 8027, but smaller,
shorter, denser flowered and more mature;
more conspicuously red-brown over the
hillside. e

Lespedeza virginica (L.) Britton Bull Run Mtn., Va
on dry hillside at walled-in Prince William Co
spring north of Beverly Mill Aug. 25, 1940
8029 1/2 miles in interior H.A. Allard
" valley; abundant; full bloom; with of Beverly Mill.

8030 *Pycnanthemum incanum* (L.) Michx. ditto
" in dry soil in thicket near
* 8029; full bloom.

8031 *Glyceria hyperborea* L.
found at quarry where water stands and ditto
1st cabin on valley road 1/2 mile
N. of Beverly Mill; full bloom; abundant;
stems 2. var. *multicarinata* (Michx.) Fern.

8032 *Lechea racemulosa* Lam.
" with * 8031 in dry soil.

8033 *Oxalis acetosella* Thunb.
" with * 8031

8034 *Digitaria ischaemum* (Schreb.) Muhl.
" in corn field near first quarry;
abundant; on valley road.

8035 *Gennaria virginianum* L.
canadense Gray.
" at 2nd quarry near * 8031
in thicket.

Setaria viridis (L.) Beauvo. Bull Run Mtn., Va
in corn field at second Prince William Co
quarry on valley road; Aug. 25, 1940
8036 abundant 1/2 mi North of Beverly Mill
" north of Beverly Mill.

8037 *Eragrostis capillaris* (L.) Nees ditto
" near * 8036.

8038 *Polygonum perfoliatum* L. ditto
" in same corn field with * 8036.
full bloom. var. *laevigatum*
f. *haleecina* Stamford

8039 *Ipomoea purpurea* (L.) Roth ditto
" in same corn field with
* 8036; very abundant, full bloom.

8040 *Paeonia pubescens* Muhl.
" at first quarry in open ground
on valley road north of Beverly Mill

8041 *Lactuca canadensis* L.
" in first old field near old dinner ditto
stood 1/2 mile north of R.R. on valley
road; abundant; full bloom; fl. yellow.

8042 *Agrimonia pubescens* Wallr.
" fl. yellow.
with * 8041; abundant; full bloom. ditto

Lofelia siphilitica L ✓ Bull Run Mt., Va
In nets hat in second Prince William Co
old pasture at first Aug. 25, 1940
8043 quarry on valley H.A. Allard
" road is full North of Beverley Mill
" bloom, abundant, beautiful. e

8044 *Gramineae* ditto
" Beside road in damp soil just
north of R.R. on valley road.
= *Leersia virginica* Willd. e

8045 *Epilobium aderogastrium* Hayne
" with # 8044; full bloom. coloration H.H. ditto
(ma white) e

8046 *Gramineae* ditto
" Road side banks near R.R. or
valley road. *Aristida corymbosa* (A. Gray) Nash. e

8047 *Quercus falcata* f. ^{Michx.} ~~triloba~~ (Michx.) Palmer & Steyermark
" On dry ridge where valley road crosses R.R. just below Beverley Mill; tall trees. The typical form also grows in Bull Run area. e

8048 *Lactuca virosa* Jacq. ✓ ditto
" roadside with # 8046: bl. blue: common; full bloom. e

8049 *Oxalis europaea* f. ^{small} ~~crysos~~ (small) Rieg. ditto
" roadside near # 8046 e

Thysanthes attenuata (L.) Bull Run Mt., Va
In first old field on valley road where H.A. Allard Aug. 25, 1940
8050 old chimney stood North of Haperville Gaf.
(3) $\frac{1}{2}$ mile N. of R.R. in muddy low spot, with # 8051
Lindernia dubia major (Parsh.) Pennell. e

8051 *Eleocharis obtusa* (Willd.) Schultes ditto
" Growing with # 8050. This a small temporary wet spot made by tractor in an old field but kept filled by rains all summer. e

8052 *Hedera helix* L ditto
On large cedar trees on ^{Fangman} ridge just across from Mill, ad. Co. in full bloom now e

8053 *Pilea pumila* (L.) Gray ^{H. A. Allard's garden} Arlington
" In shade of trees ^{Aug. 27, 1940} *Artemesia grossiana* (L.) Nash. ad. Co. abundant. e

8054 *Oxalis europaea* Jordan ditto
" In rock garden. Infestation of pediasis apparent mostly. e

8055 *Cladonia* ⁹ Elliott Knob, Va
" at spring at shelter Sept. 2, 1940
alt 4000 growing in Augusta Co. earth in crevices of rock wet in spring. Term. upwater of H.A. Allard. e

8056 Spring 48° F. ¹ C. major (Heg.) Sandst. ditto
" at alt of 3000 ft on dead stick on ground. e

Vitis labrusca L
 In old pasture at first
 old cabin along trail to
 8055 Chestnut Oak spring
⁴/₄ in interior valley here.
 clusters small of 4-5 berries chestnut tree spring is
 only, and ripe or reddened. e

8058 ~~12~~
²/₁ *Angelica villosa* (Walt.) Bsp
 In same field ^{pasture} near 8057 ditto e
 In drained front.

8059 *Aster umbellatus* Mill v
 " In same group of pasture ditto
 with * 8057: full bloom e

8060 *Vitis aestivalis* Michx
¹²/₁ In thin woods near Hafecell - ditto
 Antioch roadway on ridge where
~~viola pedata~~ grows. Mint ripe or ripening.

8061 *Gerardia pedicularia* (L.) Raf.
¹⁵/₁ ~~areolaria~~ in thickets on ridge ditto
 beside Hafecell - Antioch roadway where
~~viola pedata~~ grows. Abundant here: full bloom.

8062 *Gerardia laevigata* (L.) Raf.
²¹/₁ ~~areolaria~~ in thin pine woods etc near
 * 8061: abundant throughout Bull Run
 area on ridges; full bloom, showy e

8063 *Coryn glabra* (Mill) Steyermark
¹⁶/₁ In old field ^{young} cabin where * 8057 ditto
 grows: e

Bull Run Mt., Va
 Prince William Co
 Sept. 1, 1940
 H.A. Allard
 North of Hafecell Gap
 Antioch highway in
 interior valley here.

Panicum
 In swamp beyond cabin
 here * 8057 grows; downy.
 8064 shade of woods
 12, here. e

= *Panicum microcarpum* Michx.

Bull Run Mt., Va
 Prince William Co
 Sept. 1, 1940
 H.A. Allard
 North of Hafecell Gap
 Antioch highway in
 interior valley here.

8065 *Oxybaphus rigidius* (L.) Coult. & Rose
¹³ In swamp woods where 8064 ditto
 grows. This the swamp made by overflow
 of Chestnut tree spring; full bloom; fl. white
 Tuberous on roots. e

8066 *Rubus hispida* L
¹²/₁ In same swamp with * 8064: ditto
 abundant: fruit ripening, small,
 reddish. e

8067 *Eupatorium hyssopifolium* L
¹³/₁ In old pasture east of Chestnut tree ditto
 spring where old cabin & log where
 Indians lived: abundant, full bloom here.
 Not seen before in Bull Run area. e

8068 *Lobelia spicata* L. M. Dr.
¹²/₁ along brook in pasture v ditto
 around Chestnut tree spring;
 full bloom. e

8069 *Castilleja pumila* (L.) Mill
¹²/₁ In some dry pasture beyond cabin ditto
 here * 8067 grows; abundant here. e

8070 *Gerardia flava* L *areolaria virginica* L
¹²/₁ In heavy Chestnut Oak woods on ditto
 ridge (east slope) west of interior valley
 where Chestnut tree spring is; past flower;
 not abundant; capsule pubescent. e

Galinia latifolium Michx. Bull Run Mt., Va
In beany chestnut oak woods near of valley Prince William Co
Sept. 1, 1940

8071 above Chestnut tree H.A. Allard
131 spring is, where highway is in interior valley
very abundant; in where Chestnut Tree spring is.
fruit now; fruit smooth.

8072 *Galinia circassiana* Michx. ditto
" with # 8071; abundant, in fruit
abundant on wooded ridge, cd in pasture
in thickets throughout.

8073 *Dennodim dillenii* Dark. v ditto
" in thickets near first cabin
where # 8057 grows; abundant; just
in flower.

8074 *Solidago rugosa* Ait. v ditto
" in old pasture at first cabin
near # 8073

8075 *Agrimonia parviflora* Ait. ditto
" in damp soil along chestnut tree
spring overflow; in mid bloom;
an abundant species throughout.

8076 *Dennstaedtia punctilobula* (Michx.) Moore. v ditto
" in old pasture thicket near first
cabin where # 8057 grows.

8077 *Hieracium scabrum* Michx. v ditto
" near # 8076; abundant; full bloom.

in swamp with # 8065 Bull Run Mt., Va
athyrium affenoides (Michx.) Prince William Co
fern Sept. 1, 1940; H.A. Allard
8078 " North of Hapesell-Antioch
high way in interior
valley.

8079 *Rhus vernix* L. ditto
" in swamp formed by overflow
of Chestnut Tree spring in interior
valley, ie. with # 8065; local.

8080 *Sanicula canadensis* L. ditto
" in same woods near # 8071;
few blower.

8081 *Dennodim rotundifolium* (Michx.) A.C.
" on west of ridge directly
west of Chestnut Oak Spring ditto
on north slope of interior valley
1/2 mile from Hapesell-Antioch road
full blower.

8082 " *Viburnum acerifolium* L. ditto
with # 8071; abundant; in fruit;
abundant in woods throughout.

8083 *Leptodea intermedia* (Walt.) Britt. ditto
" in some woods west of Chestnut Oak
spring on slope where # 8071 grows
not abundant; perhaps my first record;
full bloom.

8084 *Linum medium* (Planch.) Britt. ditto
" with # 8071 in same woods;
few blower. L. striatum Walt. v

Athyrium *affine* Bull Run Mt., Va
Athyrium asplenioides (M.) Desv. Prince William Co
 In damp shaded ^{swamp} Sept. 1, 1940
 8085 open pine woods H.A. Allard
 in ravine just North of Haperell Gap
 with cabin where Indians lived
 in interior valley, near a gigantif. dying
Gleditsia triacanthos tree unable to compete
 here.

8086 *Athyrium asplenioides* (Michx.) Desv. ditto
 " In swamp just north of pasture ditto
 here above cabin stands: a dry ravine
 here.

8087 *Athyrium asplenioides* (Michx.) Desv. ditto
 " In same swamp with * 8086 ditto

8088 Orchidaceae
 " In damp woods near * 8086 ditto
 " hard places: scattered throughout
 - *Habenaria clavellata* (Michx.) Schrenk

8089 *Juncus subnodatus* (Engelm.) Coville ditto
 " In swamp with * 8086 Blake.

8090 *Pyrola americana* L. ditto
 " on side of ravine, slope, rich woods
 descending to swamp where * 8086 grows.

8091 *Sabicea uniflora* Marsh ditto
 " Beyond cabin where Indians
 lived in dry pasture; beside * 8089
 - *Chionographis* very abundant here.

Denathera
 In old pasture east of
 Mr. Burner's house
 8092 below shale Barren H.A. Allard.
 and growing to woods. On shale barren at
 (one plant seen) full bloom.

Massanutton Mt., Va
 Shenandoah Co
 Sept. 2, 1940.
 8093 *Actinomeria alternifolia* (L.) DC. ditto
 " at foot of shale Barren in some
 waste ground, second growth pasture
 with * 8092 col along River here.
 abundant; full bloom.

8094 *Euphorbia dentata* Michx. ditto
 " In same old pasture with * 8092;
 abundant; full bloom.

8095 Spiranthes
 " In saline waste ground pasture ditto
 with * 8092

8096 *Lida spinosa* L. ditto
 " with * 8092; abundant
 in dry pasture here.

8097 *Pinus virginiana* Mill ditto
 " on true barren near top:
 abundant on barren, stunted.

8098 *Salidago bootanica* Hook ditto
 " On shale Barren proper:
 full bloom; abundant here.
 Near * 8097.

Paronychia fastigiata Massanetta mt., Va
var. *polarea* Fernald Shenandoah Co

8099 very abundant at foot of Pugle Run
4 Barren prairie - the near Woodstock on
only one: full bloom. Shale Barren.
and in pure colonies throughout

8100 *Vitis acerifolia* Michx
(3) on Barren prairie: abundant; ditto
in fruit. (correct)

8101 *Physalis incarpa* Brotero
" on Barren prairie with # 8100 ditto
Not abundant.

8102 *Rhus radicans* L
(3) very abundant on Barren prairie ditto
and in fruit; low, bushy, in colonies.

8103 *Acetosella viridiflora* L
" on Barren prairie: past flower: ditto
not abundant.

8104 *Cheilanthes lanosa* (Muhl.) Matt ditto
(3) on Barren prairie: in colonies: ditto
abundant.

8105 *Trichostema lineare* Nutt
" on Shale Barren prairie; ditto
not abundant, (compared at Museum)
- correct

Commelinia erecta L Massanetta Mt., Va
Shenandoah Co

on steeped Barren Sept. 2, 1940

8106 prairie in large clumps; H.A. Allard

(4) erect: posterior on shale barrens at
petals blue; foot of Pugle Run
anterior ~~small~~, white, deeply emarginate
longitudinally and ridged, upward.

8107 a typical shale barren plant: full flower

(3) *Galatia volubilis* (L.) B.S.P.
regularis ditto
on steeped dried shale Barren prairie:
abundant: past flower; my first record

8108 *Houstonia longifolia* Gaertn ditto
on Shale Barren prairie, where
even steeper and most barren: full
bloom; abundant

8109 *Solidago pubescens* Nutt Elliott Knob, Va
(8) around fire tower at Augusta Co.,
top of knob at 4473 ft: very near Stans tower.
abundant here, full bloom. Sept. 2, 1940
most abundant species here (3 miles to H.A. Allard).
s.f. Blake 9-11-40

8110 *Chelone glabra* L ditto
(5) in wet soil, abundant, full bloom
around spring at old shelter, at 4000 ft.
(new spring 480)

8111 *Solidago pubescens* Nutt ditto
(4) around spring at old forest shelter at alt. 4000 ft: abundant here,
full bloom.

8112 *Liatis graminifolia* (Muhl.) Willd ditto
" well of trail on east slope, from Buffalo Gap highway, at alt. 3000 ft:
abundant: full bloom.

Houstonia tenuifolia Elliott Knob, Va
Augusta Co

On trail of east slope alt Sept. 2, 1940

8113 ad 1500-2000 Ha. Allard
" ad 3000 ft; On East slope trail to
abundant; full bloom. top from Buffalo Gap
highway.

8114 *Solidago arguta* L.

" at spring at forest shelter ad ditto
alt. 4000 ft; full bloom; abundant.
Leaves very sharply, finely serrate.

8115 *Juncus subcandatus* (Engelm.) Cov. & Blk.
" in damp soil around spring ditto
overflow near #8114

Ident. by T. J. Herrman
Oct 28, 1940.

8116 *Eriophorum virginicum* L.

" around spring in very wet, cold
soil (spring 480) Bristles tatty.
Scattered plants here.

8117 *Gentiana quinquefolia* L.

" at top of knob around tower;
just in flower; scattered here

8118 *Gizia cordata* (Walt.) DC

" around fire tower at alt. 4473 ditto
fl. near #8117

8119 *Helianthus strumosus* L.

" around fire tower; just in bloom ditto

Aster macrophyllus L.

Elliott Knob, Va
Augusta Co

at top of knob ad Sept. 2, 1940

8120 fire tower alt. Ha. Allard.
" 4473 ft; abundant; full bloom.

8121 *Solidago squarrosa* Michx.

" at fire tower with #8120 ditto
occasional here; full bloom.

8122 *Solidago bicolor* L.

" at fire tower with #8121 ditto
full bloom; abundant; rays whitish.

8123 *Prenanthes trifoliolata* (L.) Tornold

" on trail of, near #8113; full
bloom; scattered, in ditches.

8124 *Aster acuminatus* Michx.

" at top with #8121 ditto
abundant; full bloom.

8125 Sabicea

" at spring in cold wet soil ditto
with #8116.

8126 *Allium cornuum* Roth

" at fire tower with #8116 ditto
abundant; full bloom; purple bl.

Monotropa uniflora Elliott Knob, Va
Half way up east slope L. Augusta Co
from Buffaloe Gap Highway Sept. 2, 1940
8127 (very pink form) H.A. Allard
(1)

=

8128 *Helianthus scabrius* Donat. Bull Run Mt., Va
15/ ^{Perz} in pasture just below Beverley Mill Prince William Co
on left side of Broad Run H.A. Allard
creek; abundant here: full bloom.

8129 *Actinomeris alternifolia* (L.) DC v
(2) Along Broad Run throughout, with ditto
8/28: very abundant here: full bloom.
The most common weed.

8130 *Rudbeckia laciniata* L. v ditto
" abundant with # 8128 all down
Broad Run and in low ground: full bloom.

8131 *Verbena occidentalis* L. Raf.
(2) *Actinomeris alternifolia* (L.) DC v ditto
in pastures along Broad Run: full bloom.
Leaves hairy, ringless.

8132 *Carya cordiformis* (Wang.) K. Koch.
(3) 1 1/2 miles down Broad Run Below ditto
Beverley Mill; rich soil.

8133 *Polygonum scandens* L.
" seeds very shiny.
In thickets 1 1/2 miles down Broad Run.
from Beverley Mill: abundant.

Carya cordiformis (Wang.) K. Koch. Bull Run Mt., Va
2 miles below Beverley Mill Prince William Co
in moist soil Sept. 8, 1940
8134 H.A. Allard
In Broad Run flood
plain below Beverley
Mill. e

8135 *Celtis occidentalis* L. var. *canescens* Raf. v.
(2) 2 miles below Beverley Mill ditto
at old mill race, ad stone cellar hole.
Tree large, leaves dissected: trunk & limbs
covered with many & large ^{new} ^{old} gall
Parthenocissella globulus Raf.

8136 *Carya cordiformis* (Wang.) K. Koch ditto
" Near # 8135

8137 *Paronychia canadensis* L. Wood
(2) About 2 miles below Beverley Mill ditto
on steep wooded, naked bank along
Broad Run, local.

8138 *Alisma subcordatum* Raf. ditto
" in muddy inlet 1 1/2 miles
below Beverley Mill.

8139 *Leskeia virginica* Willd.
(3) On sand bar in stream 1 1/2 miles e ditto
below Beverley Mill

8140 *Eleocharis obtusa* Willd. Schlecht.
" with # 8139. e ditto

Ludwigia alternifolia L. Bull Run mt., Va
on sand bar in stream Prince William Co
1/2 miles below Mill Sept. 8, 1940
8141 H.A. Allard
" abundant; in seed. On Broad Run flood
plain below Beresley Mill.

8142 *Bidens comosa* (Gray) Rieger v
(2) with #8141; abundant in
wet ground: full bloom. ditto
inflatum Ell. e

8143 *Polygonum avicinatum* HBK
" in wet soil beside #8141; ditto
abundant, full bloom along shores here e

8144 *Lycopus americanus* Michx v
" in wet soil of same sand bar ditto
with #8141; abundant; full bloom
in wet soil here. e

8145 *Hypericum ascyron* L
(2) with #8141; abundant in wet ditto
soil; full bloom. e

8146 *Oxalis europaea* L. f. *gymnosa* (small) Rieger
(2) on gravel bar in Broad Run, ditto
near #8141; abundant, full bloom. e

8147 *Cotoneaster glandulosus* L. var *septentrionalis*
(2) with #8141 ditto. well e

Leptodeira amethystina G. Don. Bull Run mt., Va
on wet sand bar Prince William Co
in stream 1/2 miles Sept. 8, 1940
8148 below Mill at H.A. Allard
(4) Beresley; full bloom. On Broad Run flood-
plain below Beresley Mill.
(Ident. by Dr. F. J. Hermann, 1940)

8149 *Thaspium pennsylvanicum* Marsh
(4) in wet soil on bank of Broad Run ditto
1/2 miles below Mill; abundant
on flood plain. e

8150 *Mentha hiperita* L v
(4) same on sand bar with #8141. ditto
Large clumps; full bloom here. e

8151 *Mentha arvensis* L var *sativa* Poir
" on moist soil 1 mile below ditto
mill. just in bloom. e

8152 green, branched filamentous
(3) firmly attached to rocks in ditto
shallow water just below Beresley
Mill. with black branched stems
Podostemum ceratophyllum Michx. e

8153 *Fragaria ananassa* Marsh
(7) leaves sharply serrate, which is not ditto
characteristic perhaps)
just below Beresley Mill on Broad Run. e

8154 *Vitis vulpina* L
(5) near #8153 ditto
climbing over trees; abundant;
fruit mostly green; when ripe black, very sour.

Cirsium discolor (Muhl.) S. & Bull Run Mt., Va
In pasture $\frac{1}{2}$ miles Prince William Co
Mile, Sept. 8, 1940. H. A. Allard,
8155 below Beverly Mill, On Broad Run below
(2) along Broad Run: Beverly Mill.
(2) very abundant, full bloom.

8156 *Fragaria grandiflora* Ehrh
(2) On Broad Run flood plain below ditto
Beverly 1 $\frac{1}{2}$ miles: abundant.

8157 *Aster divaricatus* L.
(2) 1 $\frac{1}{2}$ miles below Beverly Mill ditto
in woods on bank along Broad Run.
abundant; full bloom; fl. white; rays

8158 *Epifagus virginiana* (L.) Benth
(2) 1 $\frac{1}{2}$ miles below Beverly Mill in ditto
damp soil beneath beech tree: very
abundant; full bloom.

8159 *Quercus bicolor* Willd ditto
(3) In wet soil 2 miles below Beverly Mill
in pasture on Broad Run:
several here, with pin oaks.

8160 *Sophularia monilifera* L.
" In pasture 1 $\frac{1}{2}$ miles below ditto
Beverly Mill: in fruit.

8161 *Eupatorium coelestinum* L.
" On Broad Run flood plain ditto
just below Beverly Mill a few hundred
yards; abundant, full bloom.

Ambrosia trifida L. v
var. *integifolia* (Small) T. & G. (Entire leaves)
8162 v1 Near #8161

Bull Run Mt., Va
Prince William Co
Sept. 8, 1940. H. A. Allard
On Broad Run below
Beverly Mill.

8163 *Ruellia ciliosa* Forsk
" (Leaves decidedly petioled however)
full bloom, ditto
with #8161

8164 *Perilla frutescens* (L.) Britton, v ditto
(2) Just below Beverly Mill on damp soil,
produces solid cover of herbage in many areas
all down Broad Run; just in bloom; foliage
green; a most abundant weed.

8165 *Eupatorium perfoliatum* L. v

" Leaves narrow; upper not divided

full bloom; very abundant in wet

pastures and on flood plain of Broad Run.

8166 *Elephantopus carolinianus* L.
" Near #8161; abundant in ditto
damp areas: full bloom.

8167 *Fragaria Virginiana* Marsh
(3) On Broad Run flood plain 2 miles ditto
below Beverly Mill. Leaves very
slightly toothed - nearly entire.
(Compare with #8153)

8168 *Erechtites hieracifolia* (L.) Raf v
" In pasture just below Beverly Mill, ditto
common; flowers siberry white.

Oxalis europaea L. f. *cymosa* (Small) Wieg.

On Broad Run flood plain 1 1/2 miles below

8169 Beverley Mill: abundant. Bull Run Mt., Va
(21) Prince William Co.
Sept. 8, 1940 e

On Broad Run left bank
below Beverley Mill.

8170 *Sanicula canadensis* L.

" " On Broad Run flood plain 2 miles ditto
below Beverley Mill: in fruit.
(damp soil) e

8171 *Saururus* *canescens* L.

(3) Near # 8170; in damp pasture. ditto
abundant: full bloom! fl red; e

8172 *Vitis vulpina* L.

(3) 2 miles below Beverley Mill e ditto
on flood plain of Broad Run: abundant,
high climbing.

8173 *Hedcoma pringleioides* (L.) Pers. L.

" Just below Beverley Mill on ditto
banks of Broad Run: very abundant,
full bloom. e

8174 *Aristida didactyla* Willd. Bull Run Mt., Va
" " On dry sandy field ^{Franscier Co.} e
a pasture north of Hafersell Sept. 15, 1940
1/2 mile: abundant. H.A. Allard,
Haf, near slope and
pastures. e

8175 *Panicum leudelheimeri* Nash.
" " On same barren spot with # 8174 e ditto

Leersia oryzoides L. Hartig Bull Run Mt., Va
On red soil near Harris' Sept. 15, 1940

8176 quarry, 1/2 miles H.A. Allard.
(5) north of Hafersell Gap. Prince William Co.
e

8177 *Lactuca virosa* Jacq. L

" " On thickets near # 8176 ditto
fl. blue, very tall 6-8 ft. e

8178 *Muhlenbergia schreberi* Donel.

" " On open waste ground at Harris' ditto
quarry, near # 8176 e

8179 *Digitaria ischaemum* (Schreb.) Muhl.

" " Growing intermingled with ditto
8178 at same spot. e

8180 *Polygala verticillata*

(5) var. *ambigua* (Wntl.) Wntl. ditto
On dry roadside, in sandy soil e
in open woods on road north of Onomea full
in interior valley: abundant locally: bloom

8181 *Bidens aristosa* (Michx.) Britton x
var. *fitzleyi* Hem. v ditto

(2) On road from Hafersell to ditto
Antioch: near Antioch, on roadside.
Very abundant here this year, and
up to Hafersell Gap: full bloom. e

8182 *Echinochloa crus-galli* (L.) Beauvois. ditto
" " grass downy and barbed. very strong. e

" " On damp soil in waste ground near # 8176. e

Polygonum neglectum Besser. Bull Run Mt. Va
in waste ground at Harris quarry Prince William Co
8183 north of Hopewell Gap. Sept. 15, 1940
" (door yard weed) H.A. Allard
North of Hopewell Gap. e

Polygonum sagittatum L. Bull Run Mt. Va
in wet soil near # 8189 Prince William Co
8190 abundant in low Sept. 15, 1940
ground thickets: full H.A. Allard
③ bloom: fl. pink, or white, often
almost crimson. e

8184 *Prenanthes trifoliolata* (L.) Fernald ditto
" roadside on interior valley road
from Ovens to Harris quarry. 1/2
mile from Ovens on dry, wooded roadside
bank: full bloom: frequent. e

8185 *Aster discaricatus* L.
" Near # 8184 same locality: ditto
abundant in woods: full bloom e

8186 *Gerardia laevigata* (Raf.) Raf. ditto
" ^{aristolochia} in same woods near # 8184. ditto
abundant: full bloom. e

8187 *Collinsonia canadensis* L. ditto
3/ in moist woods near Harris
quarry 1 mile north of Hopewell Gap e
on interior valley road from Ovens

8188 *Fern*. a thick woody rhizome.
to Harris quarry: frequent; full
from. a thick woody rhizome. e

8189 quarry: abundant: full bloom; fl. blue
4/ *Lacistema scandens* (L.) Willd. ditto
in wet ground thickets at Harris quarry ditto
near # 8188; abundant along valley ditto
steep; full bloom: very fragrant; e

8190 *Mikania scandens* (L.) Willd. ditto
in wet ground thickets at Harris quarry ditto
near # 8188; abundant along valley ditto
steep; full bloom: very fragrant; e

8191 *Hypericum nudifolium* L. ditto
1/ in wet open soil near # 8190: ditto
abundant in open lowlands; passing. e

8192 *Polygonum dumetorum* L. scandens ditto
3/ in moist thickets near # 8189: ditto
abundant, high climbing in low, wet
situations or moist e

8193 *Dennedix dillenii* Durl. ditto
4/ in dry thickets pasture on Harris
bluff near # 8190, near big granite
boulders: abundant: full bloom; full bloom. e

8194 *Lida spinosa* L. ditto
" Near # 8193: abundant: full bloom. e

8195 *Polygonum pensylvanicum* ditto
2/ in old field with # 8193: ditto
abundant; full bloom; fl. deep pink:
var. *laevigatum* e
f. *halbescens* Stanford

8196 *Oxalis europaea* ^{f.} *symosa* (small) ^{f.} *symosa* ditto
4/ in some old field with # 8193: ditto
very abundant: stems glabrous; pedicels, e
capsules with loose, spreading pubescence;
full bloom

Diascorea villosa L.
In woods near
White. Rocks.
8197 31

Bull Run Mt., Va
Prince William Co
Sept. 15, 1940
H.A. Allard
North of Hafencell Gap
1/2 miles.

Polygonum scandens L.
~~Hippocratea scandens~~ L. Bull Run Mt., Va
In briar thicket north of Fangmier Co
Sept. 15, 1940
Hafencell Gap 1 mile H.A. Allard
8201 red slope near Mrs. Corp's North of Hafencell Gap
(3) abundant, red slope. red slope. by
abundant.

8198 *Monotropa hypopitys* L. ditto
(2) In same woods, but below white
Rocks, red slope: deep red coloration.
full bloom: several localities seen here.

8199 *Helianthus giganteus* L. ditto
(4) In old pasture north of Hafencell Gap, ditto
red slope west of Mrs. Corp's.
abundant: full bloom; pale yellow or cream rays.

8200 *Solidago graminifolia* var. *mittalii* (Greene) H. Sheld.
(2) In old field with # 8199; abundant: ditto
full bloom: very fragrant.

8201 *Vitis aestivalis* Michx.
(2) In thickets along fence row in ditto
old pasture near # 8199. In Fangmier Co.

8202 *Athyrium thelypteroides* (Michx.) Desv.
(2) In swampy woods near old ditto
house abandoned north of Mrs. Corp.

8203 *Solidago ciliata* (L.) Blbse. ditto
(2) In old waste ground near old ditto
abandoned house near # 8202.

8205 *Oxalis europaea* f. *cymosa* (Small) Wieg. ditto
(3) (Same as # 8196)
In old pasture, mile north of
Hafencell Gap, red slope.
capsules & pedicels with loose, long hairs,
sharpe; abundant; full bloom.

8206 *Mentha piperita* L. ditto
(6) In very red soil in shade along brook ditto
of Mrs. Corp's; abundant, full bloom.

8207 *Epilobium coloratum* Huds. ditto
(1) In same shade with # 8206:
abundant: corolla white.

8208 *Cuscuta* or *aster* = *Cuscuta indecora* Chodzky.
var. *demotae*. ditto
(1) In low ground in Corp's pasture
near # 8206.

8209 *Oxalis europaea* var. *cymosa* (Small) Wieg and
(2) In old field ^{near} Hafencell Gap 1/2 mile ditto
stems glabrous; capsules not pedicels
loose hairy with spreading hairs.
Very abundant.

8210 In waste ground in *Lespedeza* ditto
(2) old pasture near # 8209 ditto
stipules large: barely in flower.
Lespedeza stipulacea Maxim.

Lepidium dilatatum Darl.

Desmodium

In old field 1 mile
8211 north of Hagerstown, Md.
" near 8210.

Bull Run Mt., Va

Fauquier Co

Sept. 15, 1940

H.A. Allard.

Eupatorium anticaefolium

var. *silicante* Ternald

8218 along wood road

(9' more or less to Mr. Boyers, north of Woodstock, Va.
along the Shenandoah very abundant,
interspersed with the typical, and with all degrees of
inflorescence; full flower.

Massanutten Rd., Va
Shenandoah Co
Sept. 22, 1940

H.A. Allard

at foot of Pugh's Run road

8219 *Eupatorium anticaefolium* Reichard

(2) growing closely interspersed with
* 8218, but very sparsely pubescent.

8220 *Eupatorium altissimum* L

(2) In old field of Mr. Boyers, just east
of their house; old couple in 80's, both.

8221 *Helianthus scaberrimus* Durm

(2) abundant in old pasture and field
where * 8220 occurred; full flower.

8222 *Carya glabra* (Mill.) Spach

(2) On true shale barren east of
old Mr. Boyers, in second growth; dwarfed,

8223 *Houstonia longifolia* Gaertn

" on true shale barren above
Boyers - (near * 8222) Past flowering.

8224 *Trichostema lineare* Walt

(2) On true shale barren above
Mr. Boyers pastures. (compared at Museum)
= correct.

8212 *Xanthium strumarium* Wallr.

" in old field just below Castello's
just on north side of Hagerstown Rd. road.

8213 *Euphorbia maculata* L

(3) In old field with * 8212; abundant.

8214 *Aclypha virginica* L

" in old field with * 8212; abundant.

8215 *Oxalis europaea* L. s. *cymosa* (Small) Gray

(22) var. on roadside just below Castello's

8216 *Oxalis europaea* Jord

" near Greenbriar.

Capsules & pedicels with
appressed pubescence, and also H.A. Allard
long spreading hairs on capsules.

8217 *Setaria faberi* Horner

(10) Now widely scattered over Arlington
Farm north of Greenbriar etc. Very common
abandoned fields, being much branched & 3 ft or more
tall. Does not compete well with native grasses
in established turf.

Arlington ditto

Arlington Farm

Sept. 17, 1940

H.A. Allard

Paronychia fastigiata Massanutton Int., Va
 Bracts subtending flowers variable Sherandoah Co
 8225 Near Boyce's on true Sept. 22, 1940
 (3) Shale Barren beyond H.A. Allard
 On shale barren at foot of Pugh's Run
 his pastures: abundant; with of woodpecker,
 passing bower.

Solidago bicolor with yellow rays Massanutton Int., Va
 On steepish, moist barren shale Sherandoah Co
 beyond Dr. Burner's home Sept. 22, 1940
 H.A. Allard

8226 *Solidago altissima* L ditto
 (3) In pasture of old Mr. Boyce;
 abundant, very tall, showy, full bloom.

8227 *Delphinium ajacis* L ditto
 " In same pasture with 8226.
 (one plant) bl. blue.

8228 *Liatris scariosa* Willd. ditto
 (10) On true, barren shale near high
 rock slides east of old Mr. Boyce:
 very abundant, very showy, full bloom.
 very beautiful.

8229 *Cassia nititans* L ditto
 " On true shale barren near
 Mr. Boyce's; abundant; passing.

8230 *Houstonia longifolia* Gaertn. ditto
 (3) On true shale barren, near
 Mr. Boyce's. Very abundant on steepish
 barren: fast bloomer.

8231 *Paronychia fastigiata* ditto
 (3) On true shale barren high up
 slope east of Mr. Boyce's, near high rock slides-
 ie with #8228.

Solidago bicolor with yellow rays Massanutton Int., Va
 On steepish, moist barren shale Sherandoah Co
 beyond Dr. Burner's home Sept. 22, 1940
 H.A. Allard

8232 I fell again cutting at foot of Pugh's Run
 (May 16) my left arm.
 May be distinguished with white-rayed north of Pugh's Run
S. bicolor, otherwise indistinguishable
 H.A. Allard and abundant here: full flower.

8233 *Solidago bicolor* L ditto
 " white rays, abundant and
 growing with #8232: common
 steeps on true barren.

8234 *Lapiedea reflexa* (L.) Benth. ditto
 " On true barren where I fell,
 beyond Dr. Burner's.

8235 *Paronychia fastigiata* ditto
 (3) with #8234; abundant.

8236 Moss ditto
 " *Brinnumia* etc
 On outcropping shale near #8235

8237 *Chilanthes lanosa* (Michx.) Benth. ditto
 (2) with #8236 on same outcrop.

8238 *Polygonatum commutatum* (R.P.S.) Z. eti.
 " A colony ~~terride~~ outcrop
 where #8237 and 8236 grew.
 (Strictly smooth.) My first record for
 this species on the shale prairie.

Dromaea bediana Jacq. Arlington, Va
H.A. Arlington Co.
In Allard's garden, Sept. 23, 1940
8239 Full bloom; fl. pink. H.A. Allard.

Aster cordifolius L
with # 8245.

Massachusetts Mt., Va
Shenandoah Co
Sept. 29, 1940

8246 Scattered in deep
shrub at foot of
H.A. Allard
top of Little Run.
(3, barren: rays purple, slender).

8240 *Oxalis corniculata* L. (See wiegard)
(6) Rhodora, 27, July, Aug. 1925; hh 113-139
Near greenhouses at Arlington Farm, Va.
Leaves pubescent - somewhat glaucous.

8241 *Oxalis europaea* Lard
(6) Near # 8240 around greenhouses, ditto

8242 *Fraxinus velutina* Massachusetts Mt., Va
(4) Just east of Mr. Burners marshy woods
near shale barren at foot of
Burner's before Pugh's Run Shenandoah Co
1st barren reached Sept. 29, 1940. H.A. Allard.
2nd growth woods, closed forest.

8243 *Panicum*
(2) In woods at top of further
shores east of Mr. Burners, ditto

8244 *Malpighia virginica* L
date
In woods at depression at foot
of 1st barren east of Mr. Burners, ditto

8245 *Aster laevis* L
at foot of shale barren
near # 8244: rays blue, ditto

8247 grass
In ravine at foot of 1st shale
barren with # 8245 ditto

8248 *Gerardia laevigata* Raf.
In woods at top of first
barren east of Mr. Burners
in Prunus pensylvanica caudate.
Past flower.

8249 *Crataegus*
(" (pink variegated)
On true barren where it fell
farther from Mr. Burners ditto

8250 *Solidago erecta* Pursh (yellow form) ditto
(2) On true barren where it fell, ie farther
from Mr. Burners, very abundant here
over all this particular area, interspersed
with the white form. # 8252

8251 *Solidago erecta* Pursh (yellow)
(4) Found in close woods just above
8250, but identical with latter. ditto

8252 white variegated form of *Solidago* ~~erecta~~ ditto
(3) Spring all over the same shale
with # 8250 with yellow rays
distinguishable from the yellow variegated
erecta in some instances, at least the
true erecta in some instances, are similar to Violaceus
most glaucoous plants; some similar to Violaceus

Solidago bicolor L.
Very hairy; all from the same Sherandoah Co.
unlike described plant. On tree, Sept. 29, 1940
8253 barren nears Dan. Burner's H.A. Allard,
(4, (east).
(white-rayed)

Massanthes Mt., Va.
Massanthes Mt., Va.
Shenandoah Co.
On tree, Sept. 29, 1940
H.A. Allard,
at foot of English Run
on shale barren east
of Mr. Burner's.

8254 *Solidago speciosa* Nutt.
1 51 Plants from St. Leonards, Md.
field at Arlington seed of Parent from
Farm near Tappan 10-29-37. To cool stone
since May, 1938. 12-15-37. w/ 1-6-38. To shrubs
First from 9-20-1940. Plants 3-11-38. To tall ad late 5-3-38.
8255 foliage of here ad very showy.

(3) white-rayed progeny. Grown at Arlington Farm, Va.
of *Solidago bicolor* bicolor. Arlington Co., 9-27-40
happen on 13th day 1938 - from B. from -
field 1939. Ad these taken from this row.
Leaves smooth scabrous.

8256 *Solidago* There are yellow-rayed plants
31 from same progeny as the white-rayed above
8255, ie sister plants of same
progeny. In this progeny from which # 8255
and # 8256 came, were 8 white ad 7 yellow plants.

8257 Yellow-rayed *Solidago* - more Bull Run Mt., Va.
(2) nearly bicolor though *erecta* Tanguer Co.,
On dry ridge just above Oct. 6, 1940
Costello's quarry south of Hupenell Mo. H.A. Allard
Not abundant.

8258 *Corallorrhiza odontorhiza* Nutt
11 In deciduous woods on west slope ditto
below High Point cliffs. Frequent, full flower.

8259 *Botrychium obliquum* Muhl
121 with # 8258; abundant ditto
throughout the heavy woods here,
ad. var. *dissectum* here also, less common,
blooming in autumn.

Oxalis europaea var. *cymosa* (Small.) vieg
On shale soil just West of Sherandoah River
8260 West of Three T of Mt. slopes on
15, west of highway below Forest Grove
T. arms
abundant; full bloom, very fine
shale barren across River here, (See photo.)

8261 Yellow-rayed goldenrod hairy
121 throughout as in *S. bicolor*, ditto
- On dry shale bank at cabin,
just above where we parked car and
found # 8260, occasional here
8262 in thin pine woods etc

11 *Crataegus* Va., Massanthes Mt.
on tree shale barren south end of short mt.,
half way up slope: Shenandoah Co.
bark deep yellow; some Oct. 10, 1940.

8263 with reddish face: one plant only;
all the fruit on ground; small bush.

12 *Aster pilosus* Willd. In low brushy
pasture are just below shale barren ditto
bushes on south end short mt. abundant here.

8264 full bloom
13 *Ledeborgia intermedia* (Rate) Britton
~~intermedia~~ ~~Rate~~ ~~Britton~~ ditto

with # 8263; abundant here; past
blooms, *Astragalus distortus* grows
here etc. (See *Rhodora* 26:31, 1944 by S. F. Blake)

8265 *Lignum vitae* & *Clatia sphaerocarpa* (L.) Benth. ditto
13 moving in same area with # 8263 ad
8264; in low fruit only.
My first record here. - *S. regularis* (L.) Benth. (correct)

8266 *Euphorbia maculata* Buss (correct) ditto
11 with # 8263
"abundant; also nearly or quite
on barren" prairie. Past blooming.

Solidago bicolor L (rays white) south end of
very abundant, full flower. Short Mt., Va
on low-sloping shale Massanutten Range
8267 just before reaching Shenandoah Co
(9) true shale (steep) October 10, 1940
of short mt. growing
in thin open pine and hardwood
No yellow golden rods in entire area here.

8268 *Agrimonia pubescens* Wallr.
" on shale barren (steep) Oct 12, 1940
well of steep slope of south end of Short
Mt., Va. Part flower, roots tuberous (part)
thickened (true shale plant)
" *A. mollis* (L.) G. Don of Gray
Pycnanthemum incanum (L.) Michx.
growing with * 8268 on true shale.
Part flower. (part)

8270 *Verbena urticaeifolia* L
" (bl. white)
growing with * 8268 on true
barren. Nearly past flower.
a true shale barren species.

8271 *Aster oblongifolius* Nutt
(2) on true shale barren near
shale cliff out of far up. One of most
abundant species on the shale barren; full flower
very showy.

8272 *Aster laevis* L
(4) on true shale barren throughout, ditto
and most abundant; full flower. Most
striking plant following *Allium cornutum*,
in autumn leaves very narrow or broad
Aster capitosus no good probably)

8273 is a narrow-leaved form merely
(4) *Aulus glaucoceras* Reichen Bull Run Mt. type
with fruit (not in Nat. Arboretum) Fangier Co
beyond big pine oak grove west of H.A. Allard
High Point Ridge in high pasture. Oct 13, 1940
(fruit perfectly smooth, not angled) see previous Allard
collection

Aster oblongifolius Nutt v Bull Run Mt., Va
in high pasture west Fangier Co
N.W. of big white oak October 13, 1940

8274 grove west of High Point Ridge.
(2) Rare; my first record for Bull Run
area; one splendid strong clump
only.

8275 Plant A, *Nicotiana tabacum* L //
from upper Marlboro Md,
2nd Broadleaf var; Byrnes-Robinson strain
(air-cured type) Prince Georges Co,
Aug. 30, 1940. H.A. Allard

8276 Plant v, *N. tabacum* L, 2nd Broadleaf
Byrnes-Robinson strain; air-cured type.
Aug. 30, 1940. H.A. Allard. Prince Georges Co.
Entire plant sections A, B, C, D from top to ground.
Entire plant sections A, B, C, D from top.
grown at upper Marlboro, Md

8277 Plant #1, *N. tabacum*
Maryland Medium Broadleaf,
Robinson strain
grown at upper Marlboro, Md
Prince Georges Co
Aug. 30, 1940 H.A. Allard
sections A, B, C, D from top down of one plant.

8278 Plant #2. 2nd. Medium Broad leaf, strain
Robinson strain; upper Marlboro, Md.
Prince Georges Co. Aug. 30, 1940
kept by H.A. Allard
sections A, B, C, D from top down of one plant.

8279 *Nicotiana rustica* L. var. *Brasilica*
" grown at upper Marlboro, Md. * 34753
Prince Georges Co.
Aug. 30, 1940. H.A. Allard
sections A, B, C, D from top down of one plant.

8280 *N. tabacum* Judy's Pride H.A.
Plant #1 Light air-cured type for cigarettes, 1940
cheering, smoking. Grown by
Mrs. Chance at Greerville, Texas
Aug. 29, 1940. (sections A, B, C, D etc of
one plant from top down.) Greene Co

N. tabacum L. plant No 2 of var. Judy's Pride,
light air-cured type grown mainly in Ky, Tenn,
for pipe, cigarette and chewing.
8281 " Greenville, Tenn., Greene Co., grown
by Mr. Chase. Aug. 29, 1940. H.A. Allard.
sections A, B, C, D etc from top to ground.

8282 *N. tabacum* Embossed One-sucker-
" grown at Arlington Farm, Va.
Dark air-cured type. Grown mainly
in Ky, North Tenn, and So. Good chewing type.
Sections A, B, C etc from top. Aug. 29, 1940.
H.A. Allard.

8283 *N. rustica* var. *Brasilica* # 34753 grown
" at Arlington Farm, Arlington Co., Va.
August 29, 1940. H.A. Allard.
A high nicotine sp.
Sections A, B, C, D etc from top.

8284 *N. tabacum* Turkish type var. Smyrna.
" Grown at Arlington Farm, Arlington, Va.
H.A. Allard. Aug. 29, 1940.
Sections A, B, C, etc from top down.

8285 *N. tabacum* var. Lizard's tail; dark fire-
cured type, grown mostly in Va., for
chewing and export.
Grown at Arlington Farm, Arlington Co., Va.
Aug. 29, 1940. H.A. Allard
Sections A, B, C, D of one plant (down to ground)

8286 *N. tabacum* var. Hickory Pryar.
" Dark fire-cured type grown in Va for
chewing and export. Grown at Arlington Farm,
Va. Aug. 29, 1940. Sections A, B, C, D
etc. down of one plant.

8287 *N. tabacum*, var. *xanthi*, a Turkish type.
" Grown at Arlington Farm, Va., Arlington Co.
Aug. 29, 1940. H.A. Allard
Sections A, B, C, D down from top, of one
plant.

N. tabacum L. Conn. Hasana Seed type, for
a cigar-wrapper type. Grown by Mr. Keitlinger
near Amherst, in Conn. Valley, Mass.
8288 " Sept. 6, 1940. H.A. Allard.
sections of one plant from top down.
" A, B, C etc.

One plant *N. tabacum*, Conn Broadleaf V, S type 51

8289 " cigar, wrapper type, Grown by Mr.
Keitlinger near Amherst, Mass., Conn.
valley. Sept. 6, 1940. Sections A, B, C, D
etc from top down.

One plant *N. tabacum*, Conn. Shade-grown Cuban,
8290 " cigar-wrapper type. Grown by Mr.
Keitlinger near Amherst, Mass., Conn. valley.
" Sept. 6, 1940. H.A. Allard.

8291 Plant No. 1 of Cash var., Orinoco type (*N.
tabacum*). Grown at Oxford, N.C., Granville
by Mr. Mass. " blue-cured type mostly cigarette tobacco.
Sept. 9, 1940. H.A. Allard.
Sections A, B, C, D etc from top down.

8292 Plant # 2, Cash var. blue-cured type,
(*N. tabacum*). Grown by Mr. Mass at
Oxford, N.C., Granville Co., Sept. 9, 1940.
H.A. Allard. Sections A, B, C, D etc. from top down.
(Orinoco group)

8293 Plant # 3. Cash var. Orinoco group, blue-cured
type, (*N. tabacum*). Grown by Mr. Mass
" at Oxford, N.C., Granville Co.
Sept. 9, 1940. H.A. Allard. Sections A, B, C, D
from top down.

8294 One plant *N. tabacum*, Penn. Broadleaf,
" Olson strain. Cigar-filler type grown
by Mr. Street. Sept. 5, 1940. H.A. Allard
Sections A, B, C, D etc. from top down.
Grown at Lancaster, Pa. Lancaster Co.

Penn. Broadleaf, Swan-Nicholson strain,
cigar-filler type - *N. tabacum* L. Brown,
at Lancaster, Pa., Lancaster Co. by Mr. Street,
U.S.D.A. Sept. 5, 1940. H.A. Allard.
8295 " Section A, B, C, D etc from top down.
of one plant.

8296 Cash var., Orinoco Brown, fine-creased
type - *N. tabacum* L. Brown by
E.W. Mass., Oxford, N.C., Greenville Co.,
Sept. 9, 1940. H.A. Allard.
Section A, B, C, D etc from top down, of
one plant.

8297 one plant of *Nicotiana gossei* Domin
from near Hermansburg, Central Australia.
sent to Tobaco Division 19039 for *Dolosia*
hypoleuca (see letter). Brown at Arlington Farm,
Va. (Arlington Co.) 1940 in buckets.

8298 October 3, 1940. H.A. Allard.
Section A, B, C, D etc. from top down, of one
plant sent to U.S. National Museum. Number 8275
to 8297 inclusive sent to

8299 " *Nicotiana* from Big Bald (trail of) Big Bald,
just above Camp Todd. Nov. 10, 1940.
For Camp Todd, go to Mt. Solon, Rockville, Va.,
follow road, keeping left to a sign saying
1/4 mile to camp. Take right here and buy in W. shelter.

8300 " Disease of *Hydrostachys* *hastula* for my Sheet Mt.,
Shenandoah Co. H.A. Allard.
in Sheet Mt., Va., South end. (No disease ref. on this grass before) Nov. 11, 1940
H.A. Allard.

8301 *Citraria islandica* (No specimen)
" Growing on trail where it turns off ditto
to 1 mile to Big Bald Knob, on plateau,
open soil here beside Cheeseweezy, Turkey Bed, ditto
cladonia name *terrena*, etc. (abundant in shorts)
(None collected)

Tree lichen - ~~1~~ of Big Bald Knob,
Big Bald Knob at spring at Nov. 10, 1940.
8302 Camp Todd. H.A. Allard
" several

8303 dark lichens on Bull Run Mt., Va
deciduous oak red slope red slope, Fauquier Co.,
" below High Point Nov. 17, 1940.
one - ~~1~~ - one dots $\circ\circ$ H.A. Allard

8304 thin smoky circles on ditto
" gray rocks on ground near # 8303 ditto

8305 black areas on Mountain Lake, Va
" rocks and fine white ~~white~~ S. 3-5, 1936.
points also Wm. W. Diehl.

8306 *Phoradendron* Bull Run Mt., Va
" wood places ~~near~~ (Porch) Nat. Prince William Co.,
near top of red maple tree North of Haffenell Gap
near cabin on way to cabin in field where negro-idiots lived - ie
near Chestnut tree spring, 25 ft. high. near Antioch 1/2 mile
In places it is ~~stamine~~ ditto. Nov. 21, 1940
H.A. Allard.

8307 " on top rock lichen ditto
on ridge where white moss grows
north of Harris place, ditto

8308 " one top rock lichen ditto
same loc. with # 8307 ditto
" high up, " ditto

one top rock lichens
on ridge just north of
Harris Place and
8309 white moss
(" white moss
all the under side on
soil.

8310 one top rock lichens.
(" with # 8309

8311 one top rock lichens = with # 8309
("

8312 Bop bark lichens on
one small persimmon tree in field near
bare soil areas. Bull Run Mt., Va.
Panhandle Co.
west slope below
High Point Cliffs
Dec. 8, 1940
H.A. Allard.

8313 Bop bark lichens on bark of one
tree near # 8312. ditto

8314 Bop bark lichens from one old persimmon
tree near # 8313 - a different tree ditto

8315 white areas on Prunus serotina
small bushes near # 8312 ditto

Bull Run Mt., Va.
Prince William Co.
West of Haperville Gap and
Antioch. Nov. 21, 1940
H.A. Allard.

Bop of bark lichens on large
Chestnut Oak tree below High Point, west slope below High
Point Cliffs. Dec. 8, 1940
H.A. Allard.
woods below High Point.

8316
" ditto

8317 Bop Cladonia and moss on
" steep inclined surface of a large
boulder in woods below High Point.

8318 Twigs (dead) with lichens from
lower limbs of Tulip Poplar
near # 8312, in old pasture ditto

8319 white areas on twigs (living) of
Tulip Poplar with same tree as # 8318 ditto
white areas with dull blackish dots.

8320 Lichen - brown areas on Black Gum
(" in woods below High Point ridge ditto

8321 Bop bark lichens on lichens
Chestnut Oak tree below High Point cliffs ditto

8322 Grayish lichen areas with 2-3 marks
in bark of chestnut Oak - near # 8321 ditto

Lichens (yellow dots) p.
on bark of Chestnut Oak
in woods below High Point.

8323

"

Bull Run Mt., Va
Fauquier Co.,
Dec. 8, 1940
H.A. Allard
red slope below High Point
ridge.

8324 Bark lichen on Chestnut Oak
" near # 8323

ditto

8325 Cladonia on dead sticks
" near # 8323
C. squamosa (L.) Hoffm.

ditto

8326 Cladonia on soil at base of
" tree in woods near # 8323
C. caespiticia (Pers.) Flotzke.

ditto

Phoradendron flavescens (Pursh) Nutt. ✓

8327 Staminate plants of mistletoe just
in flower on top of big timberline Bull Run Mt., Va
" just north of Haperville Gap road south of Prince William Co.
Chestnut tree spring, dry first Nov. 21, 1940
record for this plant in Bull Run area;
no mistletoe plants found. H.A. Allard.
(out of date order)

8328 Bop lichens on sandstone Bull Run Mt., Va
" rocks west of Chestnut tree Prince William Co.,
on rocks on ridge
north of Haperville Gap
rest of Chestnut tree
spring. Dec. 22, 1940.
H.A. Allard.

8329 Bop rock lichens.
" on ledges west of
Chestnut tree spring

ditto

Bop of rock lichens: with # 6329. Bull Run Mt., Va
Prince William Co.
North of Haperville Gap,
west of Antioch
Dec. 22, 1940
H.A. Allard,

8330

"

8331 Bop rock lichens.
" with # 6329
(near on sandstone)

ditto

8332 Bop rock lichens.
" with # 6329

ditto

8333 Bop bark lichens on
" red oak tree, near Chestnut tree
spring south.

ditto

8334 Bop rock lichens.
" with # 6329

ditto

8335 Liverwort on red oak tree
" with # 8333

ditto

8336 Pure colony of tiny gray
" lichens on sandstone on pile
just north of Chestnut tree spring.

ditto

Two lichens - crustose - some Bull Run mt., Va
one gray - one black on
North of Hagerell Gap,
rocks. On ridge
near Chestnut tree spring.
8337 west of Chestnut Tree Prince William Co.,
Dec. 22, 1940,
H. A. Allard

8338 Bop rock lichens
" "

↓
Same locality and
ridge west of
Chestnut Tree Spring,
but January 1, 1941,
H. A. Allard

8339 Bop lichens from bark of big
" " Chestnut oak (Q. montana) from
top of ridge west of Chestnut tree spring

8340 Bop bark lichens from same sp.
" " of oak at same place

↓
ditto

8341 Bop rock lichens coll. near # 8339
" " ↓
ditto

8342 Bop rock lichens coll. with # 8339
" " ↓
ditto

8343 Hefatia on bark of
" " Chestnut Oak tree with 8339. ↓
ditto

Bark lichen on Rock Chestnut
(not gray lichen) at High Point.

Bull Run mt., Va
Fauquier Co.
January 5, 1941
H. A. Allard
at High Point

8344
" "

8345 Bop lichen lichens from
" " Rock Chestnut Oak at High
Point ↓
ditto

8346 one top bark lichens (whiteish patches)
" " on Rock Chestnut Oak bark at
High Point cliffs. ↓
ditto

8347 Bop bark lichens on same species of
" " oak as with # 8346 ↓
ditto

8348 Bop bark lichens on same species of
" " oak with # 8346 ↓
ditto

8349 Bop bark lichens on same species
" " of oak with # 8346 ↓
ditto

8350 Bop bark lichens on trees; white
" " patches on hickory; others on
Rock Chestnut Oak. Near # 8346 ↓
ditto

Bop bark lichens on *Quercus montana* at High Point Cliffs. Bull Run Mt., Va. Fangmier Co. January 5, 1941 H.A. Allard.

8351

"

8352 Bop bark lichens on Chestnut Oaks
" near # 8351

ditto

8353 Bop bark lichens on Chestnut Oaks
" near # 8351

ditto

8354 Bop rock lichens from High Point cliffs
" ditto

8355 Bop rock lichens near # 8354
" ditto

8356 Bop rock lichens near # 8354
" ditto

8357 Bop rock lichens near # 8354
" ditto

Bop rock lichens on High Point Cliffs. Bull Run Mt., Va. Smoky Black circular spots, mostly Fangmier Co., on low ground rocks in woods on the south side of the hill from Berkeley Mill. Corresponds to 8353 at High Point Cliffs. January 12, 1941. H.A. Allard.

"

8359 Large bop rock lichens from
" High Point cliff outcrops.

ditto

8360 Bop rock lichens with # 8359
" ditto

8361 Bop of small gray *harmelia*-like
" * Very abundant at High Point.

ditto

8362 Bop rock lichens with # 8361
" ditto

8363 Bop rock lichens with # 8361
" ditto

8364 Bop rock lichens with # 8361
" ditto

Bop bark lichens from
chestnut oak and lichen on
High Point cliffs.
8365

"

8366 Bop bark lichens from chestnut oak
" and lichen with # 8365 ditto

8367 Funicular small lichen
" in High Point cliffs, bare, Bull Run Mt., Va
Tangier Co
January 19, 1941
H.A. Allard

8368 Single species lichen on cliff
" at High Point.

ditto

8369 Bop bark lichens on Quercus montana ditto
" "

8370 Bop rock lichens from High Point ditto
" "

8371 Bop rock lichens near # 8370 ditto
" "

Bull Run Mt., Va
Tangier Co
January 12, 1941
H.A. Allard.

Bop rock lichens from
High Point Cliffs.

8372

"

8373 One Bop rock lichen Bull Run Mt., Va
from High Point Cliffs. Tangier Co
January 26, 1941
H.A. Allard

8374 Bop bark lichens from
chestnut oak and slope
at foot of cliff at High Point Cliffs ditto
" "

8375 Small lop lichens ditto
" High Point Cliffs

8376 Bop moss at base of
tree near # 8374 ditto
" "

8377 Hepatic near # 8374 ditto
" "

8378 Cladonia on bark at
base of tree at top of High
Point Cliffs. Bull Run Mt., Va
Tangier Co.
H.A. Allard
Feb. 2, 1941

Bryozoan lichens from
High Point cliffs.

8379

Bull Run Mt., Va
Fauquier Co
Feb. 2, 1941
H.A. Allard

Bryozoan lichens -
with #8385

8386

Bull Run Mt., Va
Prince William Co
Feb. 9, 1941
H.A. Allard.
North of Hopenell Gap.

8380 Bark lichens from ~~hydrangea~~ oak and pine. ditto
" near # 8379

8381 Bryozoan fine gray lichens on ~~hydrangea~~
" at High Point. Colonies nearly pure ditto

8382 Bryozoan lichens with #8379 ditto

8383 *Cladonia*
" on bare soil on old burn,
in woods on east slope of ridge
near N. west of Chestnut tree spring.
C. grayi f. *affraua* *esapina*
Grayanic acid + P -

8384 *Cladonia coniocraea* f. *ceratodes* (Flotow) Vain.
" on living keide # 8383

8385 Bryozoan of 3 bark lichens
" on trunk near ground of large red
oak tree on ridge & ledge just south of
Harris's place near white rocks (east escarpment)

Bull Run Mt., Va
Fauquier Co
Feb. 2, 1941
H.A. Allard

Bryozoan lichens -
ditto

8387 Large top rock lichens.
" on middle ridge of Chestnut tree spring and
white rocks ridge east escarpment
near Harris's place.

8388 Bryozoan lichens.
" from High Point
cliffs

Bull Run Mt., Va
Fauquier Co
Feb. 22, 1941
H.A. Allard

8388A = *Erpescinnamomea* (Tz.)
on *Quercus montana* (Feb. 9, 1941)

8389 Bryozoan lichens from High Point cliffs ditto

8390 *Cladonia* with 8388
" in moss on rock shelf. ditto

8391 Rock lichens
" on top brown low rocks
and boulders in
deciduous woods

Bull Run Mt., Va
Prince William Co.
On slopes west of
Catlett's Branch
2 1/2 miles north of
Berkeley Mill below
High Point cliffs,
east slope, March 23, 1941
H.A. Allard.

8392 Rock lichens
(one box.) with # 8391

ditto

Moss on dead wood in woods west Bull Run Mt., Va
slope s. of Hafewell Gap and south Fangmier Co
of high broom-sedge field.

8407

"

8408 Bop rock lichen from Bull Run Mt., Va
" cliff just south of High Point
on same ridge Fangmier Co
April 6, 1941
H.A. Allard,

8409 Bop rock lichen with #8408
" ditto

4-6-41

8410 Cladonia
" On soil on bank on wood but. Prince William Co
wood leading from Berech, Mill
to High Point (in small farm area)

8411 Cladonia
" with #8410
ditto
S. et C. apodocarpa as
squamulose this ²

8412 Cladonia with #8410
" very squamulose

8413 Cladonia with 8411
" same thing.

ditto

ditto

ditto

" Bop Cladonia with
#8410

8414

"

8415 Moss on rock
" near #8410 -

ditto

8416 Cladonia with #8410
" ditto

8417 Cladonia with #8410.
" ditto

8418 Rock lichen at High Point cliffs
" Fangmier
4-6-41 G

8419 Rock lichen with #8418
" ditto

8420 Bop bark lichen
" from mostly chestnut oak
at High Point cliffs

ditto

Bog bark lichens Bull Run Mt., Va
mostly from Chestnut oaks Tangier to
at foot of cliffs.

8421

"

Bull Run Mt., Va
Tangier to
High Point cliffs.
April 6, 1941
H.A. Allard.

8422 Mass. on rocks in woods
" near slope below High Point,
in fruit.

ditto

8423 *Peltigera*. On soil near # 8422
"

ditto.

8424 *umbilicaria*
" on rockfaces at High Point

ditto

8425 *Syphula*. On rocks with
" # 8424 at High Point Cliffs

ditto

8426 Bog bark lichens Bull Run Mt., Va
" on ridge west of alluvium Prince William Co.
and Chestnut Tree spring. April 13, 1941
H.A. Allard
N. of Hopewell Rd. just
west of the toe.

8427 Bog bark lichens
" at base of chestnut oak on top of ridge
with # 8426.

Populus grandidentata Michx. Bull Run Mt., Va
6 staminate; one pistillate. Prince William Co.
on ridge west of Chestnut north of Hopewell Rd.
8428 tree spring mile from 1 mile,
" Hopewell Rd. highway. 4-13-4
One pistillate tree only, H.A. Allard,
in 40-50 staminate; full bloom.

8429 Mass. at base of large tree
" in Jackson Hollow along Catherpin creek
ditto

8430 Liverwort on wet soil (in fruit)
" near # 8429 by spring, where deep
eroded roadway is, N. of Hopewell Rd., 1/2 mi.
ditto

8431 Mass. of liverwort
" on wet soil with # 8430
ditto

8432 Red liverwort on roadside bank
" near # 8430
ditto

8433 Liverwort in wet soil (in fruit)
" near # 8430.
same species.
ditto

8434 Red hepatic near # 8432.
"

ditto

Moss on moist bank
of deeply eroded road in
woods along Gathright creek. Prince William Co.
8435 in Jackson Hollow. North of Hagerell Bay
1 1/2 mi. April 13, 1941
H.A. Allard.

8436 Moss Liverwort - Near # 8435 on wet soil ditto
" "

8437 Sphagnum. On damp soil near
" X 8435 - where road is badly eroded ditto
and wet.

8438 Liverwort covering wet rocks
" in cold brook flowing into
road way near X 8435 ditto

8439 Chrysosplenium americanum Schneid. f. 31
in cold brook and mud in Jackson
Hollow near old cabin where Riley's once
lived below Harris' grange; water 51°-52° f.
as det. by Taylor Birne.

8440 Liverwort in fruit on moist
soil near X 8435; abundant here. ditto
Ribbon-like, thin
Pallavicinia?

8441 Panniculus abortivus L. allard's garden
#1 Allard's garden: April 18, 1941, 4-18-41,
H.A. Allard
Arlington Co.

Capella bursa-pastoris
(bairy farm)

8442
" "

Allard's garden,
Arlington Co.
4-18-41
H.A. Allard.

8443 Rust on *Sapium virginianum* Prince William Co.
" on leaves, on a number of plants near H.A. Allard,
beacon light in cleared area north of Hagerell Bay
6 miles. Not abundant - dark brown, ~~orange~~
yellowing of leaves: new to Va; first record.

8444 Carex ^{in all of slope near tower} on cleared area from
high way to beacon light; abundant ditto
= *C. pennsylvanica* Lam.

8445 *Viola sagittata* L.
(petiole purple) blue-
" near beacon tower with X 8444 ditto

8446 *Viola pedata* var. *lineatiloba*
31 with X 8443 - all way to tower; ditto
both color forms abundant.

8447 *Viola pedata* L.
31 (lower petals dark blue purple ditto
with X 8446; abundant.

8448 *Viola* (bearded)
" leaves incised or lobed at base.
near X 8444; abundant
= *V. triloba* Schneid.

Viola - blue, bearded
= *Viola sororia* Willd.
Bull Run Mts., Va.
Prince William Co.
N. of Hagerell Gap 6 mi.
April 20, 1941.
H. G. Allard,
In clearing to bacon dinner.

8450 *Sophraga virginensis* Michx.
" with # 8449; abundant; full ditto
blooms.

8451 Quercus marilandica Münch
(41) at top of ridge at beacon tower ditto
near # 8449; full flower; abundanf,
var. ^{walt} caroliniana var. ² ₃ ⁴ ₅ ⁶ ₇ ⁸ ₉ ¹⁰ ₁₁ ¹² ₁₃ ¹⁴ ₁₅ ¹⁶ ₁₇ ¹⁸ ₁₉ ²⁰ ₂₁ ²² ₂₃ ²⁴ ₂₅ ²⁶ ₂₇ ²⁸ ₂₉ ³⁰ ₃₁ ³² ₃₃ ³⁴ ₃₅ ³⁶ ₃₇ ³⁸ ₃₉ ⁴⁰ ₄₁ ⁴² ₄₃ ⁴⁴ ₄₅ ⁴⁶ ₄₇ ⁴⁸ ₄₉ ⁵⁰ ₅₁ ⁵² ₅₃ ⁵⁴ ₅₅ ⁵⁶ ₅₇ ⁵⁸ ₅₉ ⁶⁰ ₆₁ ⁶² ₆₃ ⁶⁴ ₆₅ ⁶⁶ ₆₇ ⁶⁸ ₆₉ ⁷⁰ ₇₁ ⁷² ₇₃ ⁷⁴ ₇₅ ⁷⁶ ₇₇ ⁷⁸ ₇₉ ⁸⁰ ₈₁ ⁸² ₈₃ ⁸⁴ ₈₅ ⁸⁶ ₈₇ ⁸⁸ ₈₉ ⁹⁰ ₉₁ ⁹² ₉₃ ⁹⁴ ₉₅ ⁹⁶ ₉₇ ⁹⁸ ₉₉ ¹⁰⁰ ₁₀₁ ¹⁰² ₁₀₃ ¹⁰⁴ ₁₀₅ ¹⁰⁶ ₁₀₇ ¹⁰⁸ ₁₀₉ ¹¹⁰ ₁₁₁ ¹¹² ₁₁₃ ¹¹⁴ ₁₁₅ ¹¹⁶ ₁₁₇ ¹¹⁸ ₁₁₉ ¹²⁰ ₁₂₁ ¹²² ₁₂₃ ¹²⁴ ₁₂₅ ¹²⁶ ₁₂₇ ¹²⁸ ₁₂₉ ¹³⁰ ₁₃₁ ¹³² ₁₃₃ ¹³⁴ ₁₃₅ ¹³⁶ ₁₃₇ ¹³⁸ ₁₃₉ ¹⁴⁰ ₁₄₁ ¹⁴² ₁₄₃ ¹⁴⁴ ₁₄₅ ¹⁴⁶ ₁₄₇ ¹⁴⁸ ₁₄₉ ¹⁵⁰ ₁₅₁ ¹⁵² ₁₅₃ ¹⁵⁴ ₁₅₅ ¹⁵⁶ ₁₅₇ ¹⁵⁸ ₁₅₉ ¹⁶⁰ ₁₆₁ ¹⁶² ₁₆₃ ¹⁶⁴ ₁₆₅ ¹⁶⁶ ₁₆₇ ¹⁶⁸ ₁₆₉ ¹⁷⁰ ₁₇₁ ¹⁷² ₁₇₃ ¹⁷⁴ ₁₇₅ ¹⁷⁶ ₁₇₇ ¹⁷⁸ ₁₇₉ ¹⁸⁰ ₁₈₁ ¹⁸² ₁₈₃ ¹⁸⁴ ₁₈₅ ¹⁸⁶ ₁₈₇ ¹⁸⁸ ₁₈₉ ¹⁹⁰ ₁₉₁ ¹⁹² ₁₉₃ ¹⁹⁴ ₁₉₅ ¹⁹⁶ ₁₉₇ ¹⁹⁸ ₁₉₉ ²⁰⁰ ₂₀₁ ²⁰² ₂₀₃ ²⁰⁴ ₂₀₅ ²⁰⁶ ₂₀₇ ²⁰⁸ ₂₀₉ ²¹⁰ ₂₁₁ ²¹² ₂₁₃ ²¹⁴ ₂₁₅ ²¹⁶ ₂₁₇ ²¹⁸ ₂₁₉ ²²⁰ ₂₂₁ ²²² ₂₂₃ ²²⁴ ₂₂₅ ²²⁶ ₂₂₇ ²²⁸ ₂₂₉ ²³⁰ ₂₃₁ ²³² ₂₃₃ ²³⁴ ₂₃₅ ²³⁶ ₂₃₇ ²³⁸ ₂₃₉ ²⁴⁰ ₂₄₁ ²⁴² ₂₄₃ ²⁴⁴ ₂₄₅ ²⁴⁶ ₂₄₇ ²⁴⁸ ₂₄₉ ²⁵⁰ ₂₅₁ ²⁵² ₂₅₃ ²⁵⁴ ₂₅₅ ²⁵⁶ ₂₅₇ ²⁵⁸ ₂₅₉ ²⁶⁰ ₂₆₁ ²⁶² ₂₆₃ ²⁶⁴ ₂₆₅ ²⁶⁶ ₂₆₇ ²⁶⁸ ₂₆₉ ²⁷⁰ 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⁷²²²⁰ ₇₂₂₂₁ ⁷²²²² ₇₂₂₂₃ ⁷²²²⁴ ₇₂₂₂₅ ⁷²²²⁶ ₇₂₂₂₇ ⁷²²²⁸ ₇₂₂₂₉ ⁷²²²¹⁰ ₇₂₂₂₁₁ ⁷²²²¹² ₇₂₂₂₁₃ ⁷²²²¹⁴ ₇₂₂₂₁₅ ⁷²²²¹⁶ ₇₂₂₂₁₇ ⁷²²²¹⁸ ₇₂₂₂₁₉ ⁷²²²²⁰ ₇₂₂₂₂₁ ⁷²²²²² ₇₂₂₂₂₃ ⁷²²²²⁴ ₇₂₂₂₂₅ ⁷²²²²⁶ ₇₂₂₂₂₇ ⁷²²²²⁸ ₇₂₂₂₂₉ ⁷²²²²¹⁰ ₇₂₂₂₂₁₁ ⁷²²²²¹² ₇₂₂₂₂₁₃ ⁷²²²²¹⁴ ₇₂₂₂₂₁₅ ⁷²²²²¹⁶ ₇₂₂₂₂₁₇ ⁷²²²²¹⁸ ₇₂₂₂₂₁₉ ⁷²²²²²⁰ ₇₂₂₂₂₂₁ ⁷²²²²²² ₇₂₂₂₂₂₃ ⁷²²²²²⁴ ₇₂₂₂₂₂₅ ⁷²²²²²⁶ ₇₂₂₂₂₂₇ ⁷²²²²²⁸ ₇₂₂₂₂₂₉ ⁷²²²²²¹⁰ ₇₂₂₂₂₂₁₁ ⁷²²²²²¹² ₇₂₂₂₂₂₁₃ ⁷²²²²²¹⁴ ₇₂₂₂₂₂₁₅ ⁷²²²²²¹⁶ ₇₂₂₂₂₂₁₇ ⁷²²²²²¹⁸ ₇₂₂₂₂₂₁₉ ⁷²²²²²²⁰ ₇₂₂₂₂₂₂₁ ⁷²²²²²²² ₇₂₂₂₂₂₂₃ ⁷²²²²²²⁴ ₇₂₂₂₂₂₂₅ ⁷²²²²²²⁶ ₇₂₂₂₂₂₂₇ ⁷²²²²²²⁸ ₇₂₂₂₂₂₂₉ ⁷²²²²²²¹⁰ ₇₂₂₂₂₂₂₁₁ ⁷²²²²²²¹² ₇₂₂₂₂₂₂₁₃ ⁷²²²²²²¹⁴ ₇₂₂₂₂₂₂₁₅ ⁷²²²²²²¹⁶ ₇₂₂₂₂₂₂₁₇ ⁷²²²²²²¹⁸ ₇₂₂₂₂₂₂₁₉ ⁷²²²²²²²⁰ ₇₂₂₂₂₂₂₂₁ ⁷²²²²²²²² ₇₂₂₂₂₂₂₂₃ ⁷²²²²²²²⁴ ₇₂₂₂₂₂₂₂₅ ⁷²²²²²²²⁶ ₇₂₂₂₂₂₂₂₇ ⁷²²²²²²²⁸ ₇₂₂₂₂₂₂₂₉ ⁷²²²²²²²¹⁰ ₇₂₂₂₂₂₂₂₁₁ ⁷²²²²²²²¹² ₇₂₂₂₂₂₂₂₁₃ ⁷²²²²²²²¹⁴ ₇₂₂₂₂₂₂₂₁₅ ⁷²²²²²²²¹⁶ ₇₂₂₂₂₂₂₂₁₇ ⁷²²²²²²²¹⁸ ₇₂₂₂₂₂₂₂₁₉ ⁷²²²²²²²²⁰ ₇₂₂₂₂₂₂₂₂₁ ⁷²²²²²²²²² ₇₂₂₂₂₂₂₂₂₃ ⁷²²²²²²²²⁴ ₇₂₂₂₂₂₂₂₂₅ ⁷²²²²²²²²⁶ ₇₂₂₂₂₂₂₂₂₇ ⁷²²²²²²²²⁸ ₇₂₂₂₂₂₂₂₂₉ ⁷²²²²²²²²¹⁰ ₇₂₂₂₂₂₂₂₂₁₁ ⁷²²²²²²²²¹² 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⁷²²²²²²²²²²²²²²²⁶ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₇ ⁷²²²²²²²²²²²²²²²⁸ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₉ ⁷²²²²²²²²²²²²²²²¹⁰ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₁ ⁷²²²²²²²²²²²²²²²¹² ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₃ ⁷²²²²²²²²²²²²²²²¹⁴ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₅ ⁷²²²²²²²²²²²²²²²¹⁶ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₇ ⁷²²²²²²²²²²²²²²²¹⁸ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₉ ⁷²²²²²²²²²²²²²²²²⁰ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁ ⁷²²²²²²²²²²²²²²²²² ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₃ ⁷²²²²²²²²²²²²²²²²⁴ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₅ ⁷²²²²²²²²²²²²²²²²⁶ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₇ ⁷²²²²²²²²²²²²²²²²⁸ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₉ ⁷²²²²²²²²²²²²²²²²¹⁰ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₁ ⁷²²²²²²²²²²²²²²²²¹² ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₃ ⁷²²²²²²²²²²²²²²²²¹⁴ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₅ ⁷²²²²²²²²²²²²²²²²¹⁶ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₇ ⁷²²²²²²²²²²²²²²²²¹⁸ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₉ ⁷²²²²²²²²²²²²²²²²²⁰ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁ ⁷²²²²²²²²²²²²²²²²²² ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₃ ⁷²²²²²²²²²²²²²²²²²⁴ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₅ ⁷²²²²²²²²²²²²²²²²²⁶ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₇ ⁷²²²²²²²²²²²²²²²²²⁸ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₉ ⁷²²²²²²²²²²²²²²²²²¹⁰ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₁ ⁷²²²²²²²²²²²²²²²²²¹² ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₃ ⁷²²²²²²²²²²²²²²²²²¹⁴ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₅ ⁷²²²²²²²²²²²²²²²²²¹⁶ ₇₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₂₁₇ ⁷²²²²²²²²²²²²²²²²²¹⁸

caroliniana var.
8452 *Silene pennsylvanica* (Michx.) ^{var.} ~~clausen~~
with # 8449: very abundant all ^{ditto}
way up; whitish to pink: very
richly pubescent; full flowered.
= *Scopolia caroliniana* ssp. *pennsylvanica* (Michx.) ^{var.} ~~clausen~~
8453

8453 *Antennaria plantaginifolia* (L.) d'Urv.
" ♀ + ♂ with # 8449; abundant. Richards
canadensis L. var. *typica* Fern.

8454 *Potentilla* ~~simplex~~ ^{canadensis & argyrioma} ~~Micro~~
131 var. *argyrioma* Tern. ditto
with # 8449 all way to tower: abundant: full bloom.

8455 *Vaccinium corymbosum* L
(21) var. *atrococcineum* Gray ditto
In wet soil by little brook below beaver
tower near 8449. Bush 8-10 ft tall,

Amennosella Thalictroides Bull Run Mt., Va
In clearing leading to (L) Paul Prince William Co
aerohantie Tower April 20, 1941, Va
8456 N. of Hoppers Gap H.A. Allard,
" full bloom; abundant." |

8457 Moss.
(1) In water on rocks below ditto
tower is little brook from
spring, crossing clearing.

8458 *Violacea hederacea* Persch Allard's home
 (7) In flower everywhere Lynn Park grounds
 and the only violet here Arlington Co. Va
 shrubby petale here April 24, 1941
 with out hairs eye white; sepal white marginated; petals violet blue.
 8459 *Taraxacum palustre* (Lynn)
 (4) var. *vulgaris* (Lam.) Lam. & DC. ditto
 on the lawn everywhere; in full bloom.

8460 Carex blanda Desv. /
111 Carex blanda Desv. Full River Mt., 1a
dry esp. open ground April 27, 1991.
just below Bessely Hill in flood plain of
Elliott River. H.A. Gillard
Broad River, left bank

8481 (6) *Cardamine* species. Broad stem, left bank
very tuberous, as it flows down
Beverly Mill or triassic
for two miles.
one deep 2 miles far (Prince William Co.,
Not quite in a ravine. (Schreber.) B. & P.

8462. *Viola eriocarpa* Schneid. *white uncoronata*
(31) Caps. woolly ditto
Near # 8461; plants mostly glabrous ditto.

Viola papilionacea Pursh. Bull Run mt., Va
along the creek Prince William Co.
throughout: full bloom April 27, 1941.
8463 (3) spurred petal nearly on flood plain of
a spine with hairs. Broad Run below
eye white; color of Beverly Mill on
petals deep violet. Triassic left bank
(2 pieces) of Broad.
Mr. Erlanson, for National Arboretum Herbarium)

8464 *Viola papilionacea* Pursh ditto
(4) Near No 8463.
spurred petal more or less hairy; eye white; petals deep violet

8465 *Arisaema triphyllum* f. *viride* Engelm. (Engelm.) Schlecht.
8465b: a. *atropurpureum* f. *viride* (Engelm.) Fern. = *viride*
spathe and plant uniform
green color. Near rapids where ditto
in shaded areas - $\frac{1}{2}$ miles down.

8465A abundant. Leaves not glaucous.
a. *atropurpureum* f. *viride* (Sims.) Fern.

8466 *Arisaema triphyllum* (L.) Blume, Princip.
See notes front. spathes purple black, as well as ditto
inside of flower. Beside # 8465,
and abundant. No glaucous condition
in plants.

8467 *Vicia angustifolia* Reichenb.
(3) Flowers deep rose.
On flood plain throughout, here; ditto
full bloom.

8468 *Cerastium nutans* Raf.
(1) Near # 8467; scattered ditto

8469 *Claytonia virginica* L.
(1) Near # 8467; very abundant, full ditto
bloom

Erythronium americanum Ker Prince William Co.
with # 8467 etc; very April 27, 1941.
(2) 8470 abundant, part Ht. Allard
flower; capsule on flood plain of
full bloom, Tringate, Broad Run on trassis
ad aeg., with very obtuse below Beverly Mill,
angles, falling over left bank down
into the leafage, due to weak peduncles.

8471 *Glechoma hederacea* L.
var. *hastiflora* (Benth.) House.
with # 8467: abundant, full bloom ditto

8472 *Plantago virginica* L.
" in dry pasture near Beverly Mill ditto.
on right bank near New Baltimore
highway. Just in flower, (a few)

8473 *Antennaria neglecta* Greene. ditto
(3) stamine and pistillate. Very
abundant in dry pasture near # 8472

8474 *Eleocharis tenuis* (Willd.) Schultes
(1) in open grass from spring in ditto
pasture near # 8472 and 8473.

8475 *Veronica serpyllifolia* L.
(1) in dry ground in pasture ditto
near # 8472

8476 *Veronica arvensis* L.
in pasture near # 8473 ditto.

Lupinus perennis L. Bull Run Mt., Va
On dry rock banks ^{Brasstown Co.} April 27, 1941
by railroad N. of ^{approx.} H.A., Allard.
Beverly Mill where ¹⁹⁴⁰ full bloom,
burned last year; abundant, very showy.

Clematis (Viorna) Odorolentia Ait.
8478 On same slope near # 8477 ditto
" full bloom.

8479 *Luzula echinata* (Small) Herw. " ditto
" Very sprouting spring north of Beverly Mill in woods.

8480 *Silene caroliniana* var. *pennsylvanica* (Michx.)
" var. *virginica*. ditto
Calyx glandular pubescent ditto
with # 8478: abundant, full bloom here.

8481 *Asarum canadense* reflexum Bickn.
(b) On flood plain below in Prince William
Beverly Mill, left bank Prince William
down: abundant, full bloom 4-27-41.

8482 *Barbarea verna* (Mill.) Asch.
" with # 8481 ditto

8483 *Barbarea Rannunculacea* ¹
(3) with 8482 *bulbosa* L. ditto

Viola. Bull Run Mt., Va
Road side N. of Beverly Frasner Co.
Mill on U.S. # 55, April 27, 1941
H.A., Allard.
8484 violet blue petals.
" = *Viola sagittata* Ait.
var. *ovata* (Nutt.) T. & G.

8485 *Viola papilionacea* Pursh ditto
" Near # 8484, in open field ditto
across # 55 beside Broad Run Creek.
petals violet blue; white eye; petiole
no hairs on spurred petal; sepal with white margin.

8486 *V. papilionacea* Pursh. ditto
" Roadside near # 8484
same characteristics as # 8485 Hansen.

8487 *Thlaspi arvense* L. ditto
" along railroad at end of above Beverly Mill,
where locally abundant; settinghods. Have
found it only here.

8488 *Mass.* ditto
" In sprouting spring; temp 52° F.

8489 *Aralia nudicaulis* L. ditto
" On rocky slope just above
sprouting spring above Beverly Mill;
full bloom.

8490 *Viola papilionacea* Pursh. ditto
" Below Beverly Mill in Broad Run flood Prince William
Hairs, some hairs on spurred petal, Co. Mass.,
otherwise like # 8484.

Viola palmata Pursh. Bull Run M.D., Va.
Utah violet blue; flowered April 27, 1941
8491 with pink hairs on H.A. Allard.
" 2) sepals white-margined; eye white; otherwise
like #8463 beside which it green.

8492 ~~Leaves of *Epithemium* abortivum L.~~
2) ~~partim ciliatum americanum~~ ditto
Epithemium americanum L. var. *typicum* Tourn. Prince William Co.
on flood plain of Broad Run below Beverly Mill.
Abundant; full bloom.

8493 *Barbaria vulgaris* R. Br.
1/1 south side (down) of Broad Run Creek below Beverly Mill 1/2 miles
in old pasture; common, full bloom.

8494 ~~Malva neglecta~~ Wallr.
(3) *Malva neglecta* Bull Run M.D., Va.
at Beverly Mill Thoroughfare by Prince William Co.
in waste ground; full bloom. May 4, 1941
H.A. Allard.

8495 *Lepidium campestre* (L.) R. Br.
(2) waste ground with #8494 ditto
abundant; full bloom.

8496 *Pyrus (aronia) umbellifolia* (L.) Medic
2 on rocks back of Beverly Mill; ditto
fruitless clump; full bloom, very showy
(red fruit)

8497 *Euphorbia corollata* Pursh
2) Below ~~at~~ Beverly Mill on blood plain;
abundant all down Broad Run on Triassic; very abundant.

Cardamine hirsuta (Schreb.) BSP. Bull Run M.D., Va
(intermediate) in bloom. Prince William Co.
1 mile down Broad Run. May 4, 1941
8498 in flood plain; Triassic H.A. Allard.
" 2) Rose, corolla from calyx 7 mm long.
white.

8499 *Hydrophyllum virginianum* L.
" extremely abundant all along ditto
Broad Run, - in fence stands
after - 1/2 miles down.

8500 Red clover
1/1 *Trifolium pratense* L. ditto
note hairy and nearly glabrous forms
2 miles down Broad Run
in pasture.

8501 *Carex blanda* Deney.
with #8500 ditto

8502 Cyperaceae - *Carex* sp. sub. 8502
with #8500 ditto

8502 a. cyperaceae - *Carex* sp. sub.
near #8502. ditto

8503 *Barbara verna* (Mill.) Asch. ditto
near #8500; fully bloomed and
everywhere in fields etc.

8504 *Veronica arvensis* L.
(2) in old pasture 2 miles ditto
down near #8500; abundant.

Ulmus fulva Michx Bull Run Mt, Va
2 miles down Broad Run Prince William Co
left bank down; in fruit May 4, 1941
H.A. Allard.

8505

(2)

8506 *Aimia triloba* Dunal ditto
(2) 2 miles down Broad Run ditto
on flood plain near conglomerate
outcrop; very abundant, full bloom.

8507 *Alliaria officinalis* Andry ditto
(3) Near # 8506, and elsewhere ditto
on Broad Run; abundant locally
in large colonies; in full bloom.

8508 *Platanus occidentalis* L ditto
(3) Near # 8505, along Broad Run ditto
Very hairy when young.

8509 *Viburnum prunifolium* L ditto
(3) On Broad Run near # 8507 ditto
in full bloom; very showy.

8510 *Aquilegia canadensis* L. ditto
(3) On steep shale outcrops 2 1/2 miles
down Broad Run; full bloom,
a few plants.

8511 *Silene caroliniana* var *paupercula* (Muhl.) Clausen ditto
(2) *virginica* (Muhl.) Clausen ditto
on dry wooded bank above # 8510;
abundant, full bloom; very deep pink flowers.

Gigia godata (Muhl.) C. Bull Run Mt, Va
aptera (gray) form. Prince William Co
on dry woodland bank May 4, 1941
2 miles down H.A. Allard

8512 Broad Run near H.A. Allard
3 * 8511; abundant here; full bloom.

8513 *Umbelliferae* = *Thaspium barbinode* (Michx.) Nutt ditto
(2) with # 8512
abundant here; full bloom.

8514 *Hydrophyllum virginianum* L ditto
(3) 2 1/2 miles down Broad Run ditto
left bank.

8515 *Viola canadensis* L ditto
(4) On right bank of Broad Run
2 1/2 miles down on flood plain,
where very abundant, in full bloom.
Bluish; lat. petiole bearded; spurred petal
purple.

8516 *Hydrophyllum virginianum* L ditto
(2) Near # 8515; abundant and
just in bloom; much visited by
bumble bees.

8517 *Allium canadense* L ditto
(3) Growing with # 8515; a large
colony here; no flowers but heads
reflexing exposing bulbils; my first
Bull Run record.

8518 *Salix nigra* Marsh. ditto
(4) 2 miles down Broad Run ditto
left bank in wet ground.
(♂ and ♀.)

Populus nigra L. Bull Run Mt., Va
Huge tree near # 8518 Prince William Co
on left bank 2 miles May 4, 1941
8519 down Broad Run; H.A. Allard.
3 1/2 feet in diameter (42 inches)
+ *virginiana* Tonger
(See *Tidestrom's treatment Rhodora* 16: 208, 1914.)

8520 *Staphylea trifolia* L. ditto
(3) a colony near # 8519 ditto
in full bloom; my first Bull Run record.
reflexum Bickn

8521 *Acorum canadense* L. ditto
(2) on steep slopes at conglomerate
outcrop 1 mile down Broad Run
left bank; full bloom; calyx lobes
reflexed;

8522 *Thlaspium Pennsylvanicum* Marsh
(2) Near # 8521. ditto

8523 *Rhododendron* var. *glandulosum* (Porter) Rehd.
~~Leptoleia undiglrium~~
(2) in open pine woods near
* 600 1/2 mile south of Beverly; ditto
full bloom.

8524 *Geranium carolinianum* Frangier Co.
(1) at Beverly Mill, in waste ground, ditto
var. *confertiflorum* Penn.

8525 *Oxalis violacea* L. Prince William Co
(1) 1/2 mile down Broad Run below
Beverly Mill on dry bank where we ate; ditto
Full bloom; abundant on flood plain.

Veronica serpyllifolia L. Bull Run Mt., Va
dry pasture on Broad Run Prince William Co
left bank 1 1/2 miles below May 4, 1941
8526 Beverly Mill. H.A. Allard
" "

8527 *Euphorbia obtusata* Pursh ditto
" Near # 8526; abundant all down Broad Run.

8528 *Lepidium campestre* (L.) R.Br. ditto
" Beside # 8526; very abundant; full bloom.

8529 *Cruciferae* ditto
" Near # 8528
= *Sisymbrium officinale* (L.) Scop.
var. *leisorhynchum* D.C.

8530 *Parthenocissus quinquefolia* (L.) Blume
(2) " glabra var. 2 1/2 miles below Beverly Mill on
flood plain of Broad Run. ditto
glabra var. more abundant.

8531 *Viburnum prunifolium* L.
(2) Near # 8530; abundant; ditto
very showy and in full bloom.

8532 *Gramineae* ditto
(1) On steep wooded bank below
shale outcrop 2 1/2 miles below
Beverly Mill, left bank
= *Poa cuspidata* Nutt.

Euphorbia obtusata Pursh. Bull Run Mt., Va
on flood plain $2\frac{1}{2}$ miles below Prince William Co.
Beverly Mill on Broad Run May 4, 1941
8533 very abundant.

(3)

8534 *Hydrophyllus virginianus* L.
(3) near # 8533; large areas in ditto
pure stand just in flower; see #1 for
May 4, 1941

8535 *Golium afrome* L.
" near # 8533; very abundant, ditto
just in flower

8536 *Celtis occidentalis* L. var. *canina* (Raf.) Sarg.
(3) on bank of Broad Run Creek
2 miles below Beverly Mill - where ditto
first extensive open pasture begins

8537 *Houstonia caerulea* L.
" $1\frac{1}{2}$ miles below Beverly Mill ditto
on bank of Broad Run, opposite
bank from # 8520, where I added areas to
obtain the plants; full bloom, white.

8538 *Oenothera longistylis* Allard's garden.
(5) var. *brachycyme* Blake (Torr.) Arlington Co.,
H.A. Allard

8539 *Oenothera longistylis* (Torr.) DC.
(4) growing everywhere beside # 8538, ditto
hairiness variable; some glabrous,
and even glaucous; full bloom.

Euphorbia obtusata Pursh
In waste ground at
Beverly Mill,
8540

Bull Run Mt., Va
May 4, 1941
Fairfax Co.
H.A. Allard

8540A. top rock lichens on talus and talus
" $2\frac{1}{2}$ miles down Broad Run below Beverly Mill ditto
8540B. with # 8540A = lichen on rocks here.

8541 *Carex peltata* Washington, Va
" 2. Too immature. May 4, 1941

H.A. Allard
Beside side walk
in front of

8542 *Lepidium densiflorum* Schrad., var. *tychium* (L.) Gray
(3) basal leaves deeply pinnatifid, ditto
dry saline yard near Culpeper Co.,
no marked, $\frac{1}{2}$ mile May 4, 1941
from # 8540 H.A. Allard

8543 *Carex glaucoidea* Beckman
(1) on old railroad bank
beyond # 8542 - $\frac{1}{2}$ mile // ditto
toward Quarries

8544 *Sisyrinchium campestre* Michx.
(1) near # 8543 ditto

1 full bloom, very showy all along
old railroad to turn to mt. //

8545 *Scleria* Carex *panicea* Bicknell
(1) near # 8542 ditto

8546 *Polygonatum commutatum* (R. & S.) DC.
(1) near # 8543 - large colony ditto
almost in cinders; full bloom.

ox alized railroad cinder along railroad cinder Biygard Mt., Va.
(The Twins)
shrub running to quarry. Culpepper Co
May 11, 1941
H.A. Allard,
8547
(2)

8548 Carephiontella Mack.
(1) Near # 8547

8549 Carephestoflora Muhl.
(1) Near # 8547
on top of flat rock second peak where we ate.

8550 viola
(1) with # 8547

8551 Nuphar
(1) in pool near quarry on Biygard 2 leaves 1 ft; full bloom. ditto 1 fl.

8552 Euphorbia
(1) Near # 8551 - on old railroad bank, ditto

8553 Euphorbia
(1) Near # 8552

Rubus allegheniensis Porter Biygard Mt., Va.
On high rock, talus slope (The Twins)
near top of first peak; May 11, 1941
8554 full bloom H.A. Allard
(1) primocane (noglandular pubescence)
(2) floricanes (Velvety pub. beneath leaves)

8555 *Scleria oligantha* Michx ditto
with # 8548 - just beyond
where we ate where we parked.
on railroad bank //

8556 *Clematis ochroleuca* Ait.
(1) at top of first peak near # 8554; past flower; in flower at foot in woods //

8557 *Gramineae* - *Stipa aranacea* L. ditto
at top near # 8556 (Fruit like grass like oats); abundant in open sunny situations in woods, just flowering.

8558 *Scleria oligantha* Michx
(2) in woods near top near # 8556 (east slope) ditto

8559 *Fimbristylis pennsylvanica* Marsh. ditto.
(2) at top near # 8554

8560 *Veronica*
(1) on flat top on easternmost peak of top, where a soil cover of bark, light brown soil of 6 inches we ate on this rock, and 8560, 8562, 8563, 8564, 8565, grew here. 8574. //

Carex cephalocephala Muhl. near Buggard Mt., Va
on flat rock with ~~8560~~ (The Twins)
where we are - on further peak Culpepper Co.,
near 8561 at top; abundant, green May 11, 1941
" rock he ate on nearby - H.A. Allard.

8562 *Rosa*

" on same flat rock with # 8560; vigorous ditto
abundant, green; soil very shallow - colony
5-6 in deep - see H.A. Allard.

8563 *Cheilanthes langoa*

" on same flat rock with 8560; large
but mostly dried from drought. ditto

8564 *Barbarea*
" on same rock with # 8560; in seed;
vigorous.

8565 *Carex* where he ate
" on flat rock, in thin soil ditto
near # 8560. see H.A. of soil.
: *Carex cephalocephala* Muhl.

8566 ~~8560~~ small cluster

On same rock with ~~8560~~: vigorous, ditto

8567 *Commelinaceae*

" on same flat rock with ~~8560~~ //

Vitis 8561

Near # ~~8560~~; full
bloom; very fragrant.

8568

(3)

Buggard Mt., Va
(The Twins)
May 11, 1941
(Culpepper Co.)

H.A. Allard

8569 *Parthenocissus quinquefolia* (L.) ditto

" Near # 8568.

8570 *Hedera americana* L

on rock crevice on top ditto
flat rock near # 8568; just in bloom.
var.

8571 *Canga glabra* (Mill.) Sweet.

Near # 8568.

(very abundant in these woods.)

8572 *Fragaria*

" Near # 8568

8573 *Parthenocissus quinquefolia*

(var. *hirsuta* (Dumort.) Fern.) ditto
On rocks of second peak west
slope, in woods.

8574 *Galium aparine* L

" var. *vilmantii* (D.C.) Koch ditto
Top of flat rock with ~~8560~~ etc.
8560.

Panicum. On dry railroad Buzzard Mt., Va
embankment just beyond Culpeper Co.
where we parked car in near Mary 1941
8575 yard; level area before H.A. Allard.
(2) meeting slope of mt.

8576 grasses
" in thin woods in sag or valley ditto
between the two peaks.

8577 grasses
" with # 8576 ditto

8578 Panicum
" with # 8576 ditto

8579 grasses
" with # 8576 ditto

8580 grasses
" at top of first peak above ditto
grasses in dry sunny open situation.

8581 Panicum
" with # 8580 ditto

On dry, open woods at
top of first peak above
grasses
8582 grasses.
(2)

8583 Panicum
" Near # 8575 ditto

8584 Carex blanda Desv.
" in woods on east slope of ditto
1st peak; found as we returned
across valley from 2nd peak.

8585 Scleria oligantha Michx. ditto
" near # 8584.

8586 Carex hirsutella Michx.
" on dry under railroad ditto
bed below grasses

8587 On dry rocky soil ditto
" on first peak above grasses. ditto
Carex umbellata Schkuhr.
var. ericis Boat.

8588 Carex cespitosa Muhl.
" in rocky soil at top of first ditto
peak.

Buzzard Mt., Va
Culpeper Co.
Mary 1941
H.A. Allard.

Carex laevigata Lamarcq. Buggard Mt., Va
On flat rock below where Culpeper Co
we ate on second peak, May 11, 1941
8589 covered with thin H.A. Allard
soil.
= *Carex nigra marginata* Schreber.

8590 *Carex cephalophora* Muhl.
" on same rock with # 8589

ditto

8591 *Gaultheria*
(2) (first smooth) leaves in 4's
along wood road just below abandoned
summer cottage below gravel.

ditto.

8592 *Oxalis*
" young leaves bluish white with
scattered hair - stems hairy
(with # 8589)

ditto

8593 *Plantago virginica* L.
" on flat rock where we ate - 2nd peak, ditto
beside 8560: a few plants.

ditto

8594 one bog lichen from rocks
" on Buggard Mt.

ditto

8595 *Carex laevigata* Lamarcq.
" in dry soil on top of forest peak ditto
with 8556.

ditto

Urticaria perfoliata Buggard Mt., Va
(The Burnet)
Beside spur railroad Culpeper Co
May 11, 1941
8596 leading to gravel H.A. Allard.
" Park flower. //

8597 *Rubus frondosus* Bigel. Allard's garden
" common form Arlington
around this vicinity // Arlington Co., Va
May 14, 1941
Canes strongly arching: no glandular pubescence,
H.A. Allard

8598 *Diodiaea indica* (Andr.) Focke allard's
" along ditch near S.W. corner of garden garden
Bl. yellow; a colony Arlington
(Has recently appeared) // Arlington Co., Va
May 15, 1941

8599 *Saricula*
" very abundant in shade below ditto
tumble hem; full bloom; fl. yellowish green.

8600 *Plantago lanceolata* L. Bull Run Rd., Va
" roadside on # 600 Tangier Co
below Castello's home. May 18, 1941
H.A. Allard.

8601 *Rubus allegheniensis* Porter
3 primocanes
3 florances roadside turning north bed ditto
white petals at Hopshell; ped. fl. mostly.
(glandular pedicels). Erect or slightly arching.
earlier blooming than other species here.

8602 *Rubus frondosus* Bigel.
near # 600 roadside beyond ditto
full bloom; very arching, tips exsert
trailing ground, petals broad; hairy pedicels
only.

Nyssa sylvatica Marsh
var typica Perry
In pasture below white
rocks

8603 Doesn't break at 90°
var typica, Perry

8604 *Nyssa Cerasifera*
var caspia L.
" Roadside below Castello's
house.

8605 *Nyssa Viburnum dentatum*
" Roadside near Castello's
on # 600, None in bloom here;
in full bloom at marsh D.C.

8606 *Nyssa*
" Low running deerberry
pasture near *Rubus flagellans* Willd
Roadside # 600 below Castello's
Full bloom. = *Rubus flagellans* Willd.

8607 *Nyssa* *Veronica sororia* L.
" Ditch bank near Hopewell
in pasture north of # 600.

8608 *Nyssa sylvatica* Marsh
var typica Perry
Twigs don't break when bent at
right angles. var. typica Perry.

8609 *Parthenocissus quinquefolia*
f. hirsuta (Dess.) Perry
On rocks below white rocks.
(Hairy leaflets beneath) but variable in
quantity

Bull Run Mt., Va
Fauquier Co.
May 18, 1941
H.A. Allard.
North of Hopewell
road along Little Forks
ridge. To road way
west.

Vitis aestivalis Michx.
edge of west just east of
white Forks and higher.
8610
(2)

Bull Run Mt., Va
Fauquier Co.
May, 8, 1941
H.A. Allard.
North of Hopewell road on
white Forks ridge.

8611 *Vitis aestivalis* Michx.
" with # 8610

8612 *Vitis* ~~sinensis~~ *Dioscorea glauca* Muhl.
(19) (2) with # 8610
ditto

8613 ~~Vaccinium~~ *Vaccinium stamineum* L.
(2) with # 8610
Full bloom.

8614 *Saxifraga albidum* (Nutt.) Nees
(2) Near # 8610 var. mollis (Raf.) Pers.
(Very hairy beneath)

8615 *Anemone canadensis* L. Medic
(3) Near # 8610.
(Large green fruits only)

8616 *Henckelia infuscata* Pursh.
" (none in flower) var. typica Rosenthal
glandular only. stamens not exerted.
Labels. Bl. regular.

Azalea
On white rocks ridge. Bull Run Mt., Va
Co
8617 (1) Hairy, but not glandiferous. May 18, 1941
H. A. Allard.
" Rhododendron nudiflorum (L.) Turr.

8618 Carex pennsylvanica Desv.
" Near white rocks, in woods, ditto

8619 Geranium maculatum L.
" Near white rocks in woods) ditto

Smilacina herbacea Michx.

8620 ~~Smilacina herbacea~~ Michx.
" In woods near white rocks. Prince William
interior valley of Jackson. Near Harris's
Hollow near Harris's quarry. Prince William
long acuminate leaves, M. white.

8621 Kalmia latifolia L.
(2) Near # 8620 - by roadside on # 629. ditto

8622 Veronica arvensis L.
Roadside near Harris's quarry
on # 629 ditto

8623 Oxalis stricta L
(1) (yellow) Roadside near Tangier Co
Hepenell, north of # 600-
east of 2 mi. Coop's House.
Non-abundant.

Gramineae
In woods just east of
white rocks.
8624 (1) May 8, 1941
H. A. Allard.
" Panicum basii Poir. Tangier Co.
8624 = Sphenopholis nitida (Spreng.) Scoparia.

8625 Parthenocissus quinquefolia (L.) ditto
" Near white rocks, quinquefolia (L.) Blush,
some hairs on upper surface Blush,
leaflets only; none below.
" P. hirsuta (Pursh.) Fern.

8626 Carex digitalis Schneid.
" In woods near # 8625 ditto

8627 Nyssa sylvatica var. ^{Blush} typica Fern.
(2) Twigs merely tend at L. Some
hairs beneath.

8628 Panicum
(2) On ledges just east of
white rocks. ditto

8629 Comandra umbellata (L.) Nutt.
" with # 8628; full bloom. Nutt.
Roots deep down in crevices.

8630 Vitis vestalis Michx.
(3) at ledges with 8628 ditto.

Nysa sylvatica var. ^{Marsh}
typica Fern. Bull Run Mt., Va
 8631 (Leaves very shiny
 " above; twigs break
 easily at L.S.; papillae beneath.
 at ledges east of White Rocks.) ditto

8632 *Rubus frondosus* Bigel. ditto
 " with # 8631.
 canes arch to ground

8633 *Vitis aestivalis* Michx.
 " with # 8631; not in flower. ditto

8634 *Rubus occidentalis* L.
 " at ledges with # 8631; just in flower. ditto
 abundant here where no competition.

8635 Gramineae ditto
 " in woods near # 8631
Sphenopholis nitida (Spreng.) Scribn.

8636 *Carex virginea* Nutt. ditto
 " in woods near White Rocks

8637 *Ceratium viscosum* L.
 " at Harris's gravies Prince William Co ditto
 below Harris's house, in
 waste ground.

Plantago lanceolata Bull Run Mt., Va
 in waste ground at Prince William Co
 Harris's gravies May 18, 1941
 8638 in Jacobs Hollow H.A. Allard.
 " Full bloom; *P. major* not yet
 in flower.

8639 *Rubus frondosus* Bigel. ditto
 " near # 8638

8640 ~~Digalea~~ *Rhododendron nudiflorum* L. (var. L.)
 " hairy; not glandular ditto
 roadside # 629 in Jacobs
 Hollow beyond Harris's gravies.
 past flower.

8641 *Cornus caroliniana* Walt. ditto
 " in low ground near # 8640;
 frequent.

8642 *anthemis arvensis* L. ditto
 " at Beverly Hill
 therefore Gap.
 (Full bloom)

8643 *Sonchus asper* (L.) Hill ditto
 " along ditch - Arlington
 Co., Va.
 May 18, 1941

8644 *Parthenocissus quinquefolia* Allard's garden
 " at ledges east of ~~var. typica~~ *P. henryana* (var. typica)
 White Rocks, a few hairs on undersurface of leaflets only.

Lichen, *Cladonia* ?
on lints on ground
at *Cetraria* colonies

8645 This material just given Dr. Donn (5-22-41)
(1) by W. M. Diehl, hence out of date order.
Line: *P. rigida* or *P. virginiana*.

8646 Lichens on pine trigs
(1) near or on ground, with
8645

8647 *Viburnum* H.A. Allard's
41 This bush orig. in garden
my garden wild; Arlington Co., Va
full bloom & passing season May 22, 1941
J. dentatum in front yard H.A. Allard
only in bud.

8648 *Crataegus phoenopyrum* (L.) Medik
131 Large trees full bloom in my ditto
garden; originally grown from seed by me.

8649 *Anthemis arvensis* L. Bull Run Mt., Va
west ground at Beverly Mill, Fauquier Co.
May 25, 1941
H.A. Allard.

8650 *Malva neglecta* Walbr.
(5) with # 8649

8651 *Malva neglecta* Walbr.
(2) In ~~old~~ field below *Castilleja* at ditto
Hagerell Gap near highway 60

Short Mt., Va
Shenandoah Co
May 2, 1938

W. M. Diehl
W.M. Diehl
May 22-41

Silene antirrhina L
with # 8651

8652
(3)

Bull Run Mt., Va
Fauquier Co
May 25, 1941
H.A. Allard.

8653 *Ceratium viscosum* ditto
(1) with # 8652
= *C. vulgarium*
var *viscosum* Trin
f. *glandulosum* (Boern.) Buse

8654 *Bromus* Druce ditto
1) with # 8652
= *Sympetrum officinale* var. *levisorium* DC

8655 *Adonis sylvestris* L ditto
1) with # 8652

8656 *Vitis* ditto
2) Fence near thicket near 8652

8657 *Viburnum dentatum* L ditto
2) Fence near thicket near # 8652
full bloom - from same bush
as # 8605

8658 *Rosa blanda* Ait. ditto
(3) In field across road from
Castilleja on # 60; full bloom.
(New for Bull Run area)

Rubus frondosus Bigel. Bull Run Mt., Va
Stems arching; thicket
by roadside #160, near
#8652; full bloom; H.G. Allard.
" mostly past in Wash. D.C.

one floricanet
" primocane.

8660 *Gramineae* ditto
" at brook near *Costellaria argyrantha*
at Riley's (near *Festuca* spring).
= *Festuca obtusa* Spreng

8661 *Houstonia purpurea* var. *umbrosa* ditto
" in old field where lone pine (P. *echinata*) grows.

8662 *Trifolium pratense* L. ditto
" same field with #8661; abundant, ditto
full bloom.

8663 *Maculina pomifera* (Raf.) Schneid., 2nd ditto
at old cabin across Hopewell Gap: road #628 near white oak grove, near Hopewell.

8664 *Ceratium viscosum* L. (glanduliferous), 2nd ditto
at old cabin with #8663.

8665 *Malus pumila* Mill ditto
" in old field near #8663;
seedling; cult. form.

Garrya tomentosa (Lam.) Nutt. Bull Run Mt., Va
at north edge of white oak
8666 more west of #8663 May 25, 1941
" H.G. Allard.

8667 *Carya glabra* (Mill.) Engelm. ditto
" Near #8666
fruit pyriform, with splitting half
way to base

8668 *Plantago rugelii* (L.) Greene var. *tecadia* ditto
(none in flower). old pasture
just west of white oak grove before
wild apple locality is reached
(leaves coarsely sinuate-lentate,

8669 *Rubus frondosus* Bigel.
" same field with #8668
3 primocane arches over scrub, but strong, stiff.
" floricanet.

8670 *Rubus argutus* Lick.
one floricanet in same pasture near wild
" primocane apples. Rather arching

8671 *Malus Lancifolia* Schneid.
" in pasture west of white oak grove, ditto
near #8670

8672 *Crataegus crus galli* L. ditto
" near #8671
(in fruit) green.

8673 *Crataegus pruinosa* (Muhl.) Bull Run Mt., Va
in pasture west of Fangmier Co.,
May 25, 1941

8673 white Oaks grow near H.A. Allard.
wild apples #8671. loc.

Carex blanda Teng Bull Run Mt., Va
in meadow near Fangmier Co.
May 25, 1941
8679

8680
" "

8674 *Gleditsia triacanthos* L.
" in pasture east of wild apples.
also

8681 *Dioscorea glama* Muhl.
" in thickets near # 8679 ditto

8675 *Celtis occidentalis* var. *canina* (Raf.)
(2) along fence row near # 8674 ditto
along fence row near # 8674 ditto

8682 *Vitis labrusca* L
(3) in thickets across road way
west from white rocks. ditto

8676 *Vitis vulpina*
" with # 8675 ditto

8683 ~~Vitis~~ *Thlaspi rotundifolium* var.
near # 8682 var.
at Beverly Hill in waste ground.
- *Geranium carolinianum*
var. *confertiflorum* Fenzl

8677 *Malus*
(3) near # 8675 ditto

8684 *Consolida*
" in old, dry field near # 8682 ditto

8678 *Celtis occidentalis* var. *crassifolia*
(Lam.) Gray. ditto
(2) Along fence row nearer Hafersell, but need of # 628
Hafersell, but need of # 628
(h. 393 of Deam's book, says roughness
not good as a character)

8685 *Lepidium campestre* L
" in old field near turn of road just above its north course
opposite white rocks. ditto

8679 *Sisyrinchium gramineoides* Bick.
" in meadow at Hafersell ditto

8686 *Geranium carolinianum* Fenzl
(2) in castellus field below his house with # 8651. ditto

Geranium columbinum L. Bull Run Mt., Va
In old grassy pasture Fauquier Co.,
near cabin beside May 25, 1941
8687 (41) # 8665; delicate plant. H.A. Allard

8688 *Vitis vulpina* L.
(3) In lane leading near white
rocks from road way below (west) ditto

8689 *Populus deltoides* Michx
(5) ~~temnoides~~ near white rocks, where several
trees found. ditto

8690 *Nyssa sylvatica* var. *caroliniana* (Pursh)
(3) Near # 8689 ditto
Twigs tend to break when
torn at L.S. all from same tree.

8691 *Hedera helix* var. *typica* L. B. S. P.
(2) On ledges east from white rocks. just in flower. from
same colony as # 8616. ditto

8692 *Carex*
In pasture across road west ditto
from white rocks.

8693 *Carex grisea* Walp.
" In meadows near 8679. ditto

Carex normalis Michx. Bull Run Mt., Va
In meadow near May 25, 1941
8694 Hagerell (with H.A. Allard
" # 8679 Fauquier Co

Cerastium vulgatum var. *hirsutum* Fries.
ditto
8695 (2) *Cerastium vulgatum* some glands
In old field below Castellois
on # 601. (with 8653)

8696 *Vitis labrusca* L. ditto
" (woolly white) beneath.
In fence row thick just below
Castellois on # 601 - near # 8695

8697 *Vernonia officinale* L. ditto
" with # 8695
In dry, sterile galled soil.

8698 *Physocarpus multifolius* (L.) Maxim ditto
In Jackson Hollow by road side
" damp soil near Harris quarry
on # 628: (full bloom; very showy.)

8699 On ledges east of white rocks. ditto
" fl. yellow, small like *venetiana*
Infrequent: just in flower.
= *Helianthemum canadense* (L.) Michx.

8700 *Acer saccharinum* L. ditto
(2) North of Occonee on # 628
in dry woods.

Veronica Bull Run Mt., Va
 across from Fangier Co
 in old field where May 25, 1941
 8701 road turns from H.A. Allard.
 " (near) to west below west slope of
 white rocks.
 - *V. arvensis* L. ← + White Rocks

8702 *Asclepias syriaca* L.
 " (not in flower) in old field ditto
 near # 8701

8703 *Prunus avium* L.
 " in fence row thicket on high ditto
 pasture ridge S.W. of Hopewell.

8704 *Equisetum arvense* water ditto
 " in meadow at old mill ditto
 west of Hopewell, just off 601 (N.)
longifolia Muhl.

8705 *stellaria graminea* L. ditto
 " in meadow with # 8704

8706 *Nyssa sylvatica* var. *cordata* (Poir.) Pers.
 " Twigs break easily when ditto
 bent at L.S.
 in high pastures west of Hopewell.
 Broad Run road, S.W. of Hopewell.
 from sassafras.

8707 *Brassica* ditto
 growing near wild apple in pasture ditto
 west of white Oak grove.
 = *Sisymbrium officinale* var. *leiocarpum* D.C.

Ceratium viscosum L. Bull Run Mt., Va
 Fangier Co
 at old cabin near # 8663 May 25, 1941
 8708 somewhat sticky. H.A. Allard
 "

8709 *Carex multilobata* var. *engelmannii* ditto
 " in old field just east of Broad
 wild apples, west of Hopewell ~~near~~ to
 Broad Run highway.

8710 *Carex pumila* Mack.
 " in old field west of highway ditto
 running at foot of white Rocks slope.

8711 Bog rock lichens from ditto
 " rocks near wall S.W. of ditto
 Hopewell on high pasture ridge.

8712 *Carex bushii* Mack.
 " in pasture west of white Rocks ditto
 west of high ledges on west slope.

8713 On spruce logs ditto
 " and stumps
 near where beaver dam is.
 where we watched our tent.

8714 with # 8713 ditto
 " on old logs.
 ditto

Cladonia
On old spruce logs and
stumps
8715 " "

Carraan Valley, West Va,
Tucker Co.
8-9 miles east of Davis,
May 31, 1941
H.A. Allard
near beaver ponds.

8716 with *Cladonia*
" with # 8715 on old spruce logs & stumps ditto

8717 *Cladonia*
" with # 8715 on old spruce logs & stumps ditto

8718 *Cladonia*
" with # 8715 on old spruce logs & stumps ditto

8719 *Arizaeina strobilorum* Britton
in very red ground in swamp at
our camp below beaver dam $\frac{1}{2}$ mile,
(Sent 3 or 4 specimens to Fernald,
Gray Herbarium June 5, 1941.

8720 *Ranunculus septentrionalis* Poir
" with # 8719
In red marshy swampy soil; full bloom, abundant.

8721 *Viola*
(3) (white), with purple lines; lat. petals
with # 8719 slightly bearded ditto
very abundant growing in sphagnum.

Caltha palustris L
with # 8719
8722 Very abundant,
everywhere in swamps May 31, 1941
below beaver ponds etc., H.A. Allard.

8723 *Gramineae*: *Poa cuspidata* Nutt ditto
(1) with # 8719
In wet soil in spruce swamp
across stream from our
camp $\frac{1}{2}$ mile below beaver pond.

8724 *Gramineae*
(2) with # 8719
- *Poa cuspidata* Nutt. ditto

8725 *Viola*
(2) (blue) lateral bearded
very abundant; with 8719 ditto

8726 *Rhododendron maximum*
" with # 8719 ditto

8727 *Tsuga canadensis* ditto
" with # 8719

8728 *Abies fraseri balsamea*.
" with # 8719 ditto

8729 *Carex gracillima* Schkuhr, ssp. *schkuhriana* Schkuhr, ¹ Campau Valley, W. Va.,
Below Beaverfoot ^{St.} ~~St.~~ Tucker Co.; 9 miles
where we pitched east of Davis ad
tent for swamp. beart ponds.
May 30, '94
" frequent: in
red soil here etc. H.A. Allard

8730 *Carep. intrusus* (L.) Rudge. ditto
" with # 8729.
In red sandy soil in rhododendron-
spruce swamp across from our tent; common

8731 *Picea rubens* ditto
with 8729

8732 *Carep. defiliz* var. *rudgei* Bailey. ditto
" with 8730: frequent.

8733 *Carep. leptosperma* Ternu. ditto
" with # 8730 before here: # 6895
collected by H.A. A. before by Core or Mackenzie,
not reported in W. Va. by

8734 *Carep. intrusus* Rudge ditto
" with # 8730 frequent.

8735 *Carep. folliculata* L. ditto
" with # 8730: frequent!
immature.

Dr net soil near beaver dam ~~Carman Valley~~
 Hesper Co, West Va.

~~6 species~~ *Carex leptalea* Wahl. May 30, 1941

8736 " H.A. Allard
 9 miles east of Davis
 & beaver ponds.

8737 *Cruciferæ* ditto

" (fl. white)
 with # 8736; abundant
 in swamps here.

8738 *Veronica* ditto

" in water and mud
 below beaver ponds; full bloom.

8739 *Myriophyllum* (Potamogeton)
 " covering upper side of beaver
 dam below water line, acting as an abutment to
 beaver etc. seems to be used by
 beavers for chinking holes etc. ditto

8740 " *Carex trinervis* (Pers.) Poir. ditto
 with # 8730; abundant.

8741 *Carex stipata* Grubl ditto

" at beaver dam; abundant.

8742 *Trillium* ditto

" petals pink striped; in wet
 mossy soil 3 miles east of Davis
 on old lumber R.R., May 30, 1941
 on walls to camp.

Moos. Canaan Valley, Tucker Co.,
West Va; 9 miles east
of Broadodendron in swampy at camp. of Danis, 2 miles below
8743 swampy at camp. of Danis, 2 miles below
bear ponds.
" Plagiothecium micasa (Sw.) Par. May 31, 1941
plus Bazzania trilobata (L.) S. F. Gray.
H.A. Allard.

8744 Oxalis
" on steep bank. On route to Petersburg
leaving #32 from Danis
11 miles below Danis,
Grant Co 3 miles in on this
highway. June 1, 1941
H.A. Allard.

8745 " Azalea calendulacea ditto
near # 8744, on hillsides here;
very showy, full bloom.

8746 Geranium
" on steep embankment by
woodsides # 1 mile beyond # 8745 ditto

8747 Carex stipata Muhl.
" near at Bearpalm ditto
May 30, 1941

8748 on Geranium
(2) U.S. route 50 between Romney, W. Va.
and Winchester, Va., 20 miles beyond
Romney, Hampshire Co., June 1, 1941,
H.A. Allard. On shale banks.

8749 Pentstemon
(2) on shale banks
along # 220, very
abundant, showy.
Between Petersburg
and Moorfield, W. Va.,
on U.S. 220.
June 1, 1941, H.A. Allard

Pentstemon

on shale banks.
8750 very abundant,
(4) full bloom,
showy.

Beyond Romney 20 miles
on road # 50 to Winchester-
Hampshire Co.,
June 1, 1941
H.A. Allard.

8751 Pentstemon

" on shale banks; June 1, 1941
abundant, showy. H.A. Allard
on U.S. 220.

8752 Panicum linearifolium Spreng.
(5) one clump; with # 8751 ditto

8753 Oxalis

(3) on shale banks
half way between Moorfield
and Romney, W. Va., on # 220 ditto

8754 Pentstemon

(5) Deep pink, very showy; on
shale banks 18 miles from Petersburg
on highway leaving # 32 11 miles below Danis
across mountain country, past Dolly Sods over
220 to Petersburg. June 1, 1941, H.A. Allard

8755 Pentstemon

with # 8754 ditto

8756 Lepidium virginicum L

" on shale near # 8754 ditto

Carop foemina Willd.
var. ^{var} *shrub* on mountain road
to Petersburg leading off #32 ^{11 miles}
8757 below Davis, W. Va. Hardy Co.
(2) June 1, 1941. H.A. Allard

Lofelia. In open thickets south end Shrub Mt., Va
by roadside just above ^{massamites} ^{grassamites}
where we park - ie Shenandoah Co
8764 at 2nd sandstone head June 6, 1941
131 east. H.A. Allard

8758 Canaan Valley *Picea rubra*

" Tucker Co.
9 miles east of Davis
and $\frac{1}{2}$ mile below beaver dam.

May 31, 1941.

8759 H.A. Allard one a great forest here.
(8) Between Romney and Winchester, Va
on #50, 20 miles beyond Romney,
Hampshire Co., June 1, 1941

On shale outcrops. *Hedera americana* L. var. *typica*

Hedera americana L. var. *typica* Rosendahl,
(full bloom)

" *Houstonia serpyllifolia* Michx. Butter &
This species is never var *Houstonia* Peace & Moore
as tube not longer than lobes of corolla, ie
relatively short. Canaan Valley

8761 " 9 miles east of Davis at our
camp just below beaver dam; abundant
Viola on moist banks (often) in full bloom.
at 2nd sandstone head near south end Shrub Mt., Va
foot of Shrub Mt., in open thickets, massamites, Shenandoah Co.

8762 *Rhus aromatica* Ait. June 6, 1941.
(4) fruit now red, ripe; abundant

on shale prairies.

8763 *Sanicula trifolia*

3 1/3' in woods at foot, and on
high shale prairies; frequent.

Oxalis with # 8764; abundant ditto

8765 at 2nd sandstone head east.

8766 *Houstonia* ditto

4 1/2' with # 8764; just in flower; abundant on shale well of out.

8767 *Papaver* ditto
" with # 8764; also in pasture
located on shale below those.

8768 *Oxalis* ditto
" on other ground where we park
car at foot of Shrub Mt. in cleared
pasture contiguous to barrens prairies.

8769 *Anagallis arvensis* L. ditto
" with # 8768; frequent here and
in pastures just below shale prairies.

8770 *Arabis canadensis* L. ditto
" in woods at ravine just
beyond where we park.

Galeia coccinea Nutt. south end Short Mt., Va
In ravine, wooded, massometer
near base on shale Shenandoah Co
June 6, 1941
8771 at foot. H. A. Allard

"

8772 *Verbascum blattaria* L. By woodsides ditto
flowers yellow. 8772 on shale at foot.

"

8773 *Rosa*
" in open thickets at foot, and
on shale prairie: abundant, full bloom.

8774 *Anthemis arvensis* L.
" on shale in pasture at foot ditto
of slope; abundant.

8775 *Geranium* at foot near
road way where we parked,
in open thickets; frequent.

a
fo

8776 *Oxalis*
" in thickets on shale at foot ditto
near highway, where we parked;
abundant

8777 *Veronica*
3 " on shale and in dry pasture ditto
thickets on shale slope;
frequent.

July 21, 1940. To Bull Run Mt., Va
following valley road course to Hafersell
sage Castilleja & Silene's spring theme
high up west slope through woods
to High Point cliff, and back to
car via Broad Run rd starting
spring and railroad trail.
Temp. (air) 97°. walked 6 $\frac{3}{4}$ miles
by pedometer. went with Mr.
Wagner, Miss Antoinette Kettner
and Mr. Rashings.

Aug. 3, 1940. To Short Mt. with above
party, including an addition of a
High school boy Mr.

walked up shale banks to top,
beyond and return - 2 $\frac{3}{4}$ miles
by pedometer.

Aug. 14, 1940. To Bull Run Mt. alone by Bus.
Followed my mill race rd Broad Run to
Broad Run Sta.; theme up slope to ledges
and south to starting spring, walked 2 $\frac{1}{2}$
mi. by pedometer.

Aug. 25, 1940. To Bull Run Mt. with P
walked up to walled in spring east of
valley road, theme to High Point rd
return along trail from High Point
to Mill. walked 4 miles by pedometer.

to area. Distance by pedometer = 4 $\frac{3}{4}$ mi.

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Sept. 1, 1940. To Hafersell Gap area,
Bull Run Mt., Va., with P.
walked along interior valley above
Antioch from Hafersell - Antioch
road north to summit north of
pastures where colored idiots lived,
thence west up east slope to top
of ridge and south to starting
point at Hafersell Gap where *Viola*
pedata is so common on banks.
Distance walked = 3 miles by pedometer.

Sept. 2, 1940. To Shale Barrens at
foot of Pugh's Run near
Woodstock, Va., via Massanutton
mt.; then drove to Elliott
mt. near Staunton, with
Dr. Gurney of Entomology and
Plant Quarantine. Covered 6 miles
on entire walk.

Sept. 8, 1940. To Bull Run area
with Proctor of Son., walking
down Broad Run from Bunker
Mill as far as large *Celtis*
trees 2 miles down stream.
Walked 4 miles on this
walk.

Sept. 15, 1940. To Bull Run Mt., with P.,
walking from Hafersell Gap (Oresea)
on west slope to Iron Corp. theme
to White Rocks, on to Harris Place
and quarries and return via road
to Oresea. Distance by pedometer = $4\frac{3}{4}$ miles

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Left 21, 1940. To Woodstock, via Panorama & Loring with D. Sept. 22, 1940 walked from foot of Puglis Run east to steepest shale barren where I fell and cut my arm, then walked about mid way of ridge across with about mid way of ridge across the rock slides to the "Bassacs", beyond Mr. Boyce's, then to beyond the shenandoah, car on trail along the shenandoah, walked 4 1/2 miles by Pedometer. slipped and cut my arm severely on the barren at Puglis Run, being it treated by a Doctor in the drugstore at Woodstock in late afternoon at a charge of 15 cents, only I insisted that he take 25 cents at least).

Sept. 29, 1940. To shale Barren east of Mr. Burness at foot of Puglis Run south east of Woodstock in Massanutten with T. walked 3 1/2 mi by pedometer.

Oct. 6, 1940. To Bull Run, walking from Castellaz to west slope of to High Point & return with T. walked 3 1/2 miles by pedometer. Saw large rattlesnake at High Point cliff.

October 10, 1940. To south end short mt., in Massanutten with A. B. Murray, walked 3 1/2 miles by pedometer.

Golm :
In rain
near
8771 at f
"

October 12, 1940. To south end
of Short Mt., Massanutten range,
Va. with A. B. Gurney, ad to
shale bank at end of road
from P. O. ad 2nd intersection,
walked $3\frac{1}{2}$ to 4 miles by pedometer.

- Verbascum
8772 " m

October 13, 1940. To Hagerell Gap
with P. ad daughter walking
to wild crab-tree & return. walked
 $3\frac{1}{2}$ miles by pedometer. Very lame
from ruptured *Sartorius* muscle in
right leg done August 12 on
top of Shant Mt., Massanutten.

- 8773 f
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blow

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Nov. 3, 1940. To Hagerell Gap with T.,
walking past Castello's and Riley's
springs, to the bare areas there to
High Point Cliffs and return, ie $3\frac{1}{2}$
miles by pedometer.

8775 f
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8776 f
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above

Nov. 10, 1940 To Bald Knob, Augusta Co.
with D., climbing this from Camp Todd
Nov. 11. Walked 6 miles by pedometer.
Nov. 12. climbed south end of Short
mt. goes. walked $1\frac{1}{2}$ miles.

8777 f
" on
the
freque

Nov. 17, 1940. To Hagerell Gap with T.,
walked to bare areas there to
High Point and return. walked
 $3\frac{3}{4}$ miles by pedometer.

November 21, 1940. Clear, warm.
To Bull Run Mt., with T. walked
from Castello's at Hagerell Gap back
of Ovens down valley road to
Mr. Harris's near granite boulder,
there across to old Riley cabin,
there ad south to Mrs. Riley's, thence
ad Chestnut Tree spring and to car,
to Chestnut Tree spring and to car,
6 miles by pedometer. Found
middle toe on red maple - my first
record in Bull Run. - #8306. Carried
35 lbs all the distance in my pack -
12 lbs 18 lbs rocks with lichens,
ie camera, etc. 18 lbs rocks with lichens,
found a living female *Oreobolusum minor*
on rock at base of pine tree in pine
grose north of Harris place. Given to Gurney.

Dec. 1, 1940. To Bull Run Mt., Va., with T.
walked up to Castello's spring, thence
to Big White Oak grove and to pastures
N., then up rocks & west slope to
High Point Cliffs - covering $3\frac{1}{2}$ miles
by pedometer.

Dec. 8, 1940. To Bull Run Mt., with T.
walked to high broomedge field,
there to bare areas and up to
High Point Cliffs and return $2\frac{1}{2}$
miles by pedometer.

December 22, 1940, To Bull Run
1st, with T. Visited the middle
meadows, walked from castle down
road east to valley to Chestnut tree
spring, theme of ridge and return
by roadway #29 to car, walked 3 miles
by pedometer.

January 1, 1941, Take same walk with T.
as on Dec. 22, 1940, walked $3\frac{1}{2}$
miles by pedometer.

January 5, 1941, To High Point, parking at
Thoroughfare Gap (with T.), walked $5\frac{1}{2}$
miles by pedometer. Carried back a
pack including rocks weighing 41 lbs.
Temp. at cliff at noon 22°F , going to
 26° briefly at 1 P.M.

January 12, 1941, Take same trip as on Jan. 5,
to Thoroughfare Gap and High Point.
beautiful, fair, warm all day. walked
back from High Point with 42 lb. pack of
rock lichens etc. (with T.) $5\frac{1}{2}$ miles by pedometer

January 19, 1941, Take same trip
as on January 5. Cold, clear, very
windy with T. walked $4\frac{1}{2}$ miles by
pedometer; carried back 30 lbs rocks
with lichens. Bad ice storm a few days ago
breaking down electric & telephone poles across
Highmarket to Beresley Mill. Temp. 27°

January 26, 1941, To High Point Cliffs via
Hafner Gap, collected lot of *Pinus rigida* forma
glauca for Clarence M. K. Lewis
Skylands Farm, Sloatsburg, Rockland Co., N.Y.
walked $3\frac{1}{2}$ miles by pedometer.

Feb. 2, 1941, To High Point cliff
with T. parking at Beresley Mill.
walked $4\frac{1}{4}$ miles by pedometer - ie
2 miles to cliff. cloudy; 3 in. snow
on ground.

Feb. 9, 1941, To Harris ridge N. of
Hafner Gap. with T. parking at
Oncers property. walking to Middle toe
via Chestnut tree spring. walked
 $3\frac{1}{2}$ miles by pedometer.

Feb. 22, 1941, To High Point cliff
with K. from Beresley Mill, Thoroughfare
gap. walked $4\frac{1}{4}$ miles round trip.
gap. walked 41 miles round trip.
weather with brilliant sun; very windy;
weather with brilliant sun; very windy;
air temp. shade at noon = 30°F .

March 23, 1941, To Bull Run with
K. parking at Beresley Mill. walked
 $2\frac{1}{4}$ miles north along wood road
following Colletts Run, thence
near up to High Point, and south
along ridge below cliff along
east slope to Beresley Mill. By

pedometer walked $5\frac{1}{2}$ miles. Met
Mr. Graham an agreeable white
man, and a wartbless, rather
abnormal colored giant Leslie Stokes.
Saw two great blocks of geese in V
shaped formation about 1 P.M. going
W. N. W.

at with T.
— of
pastures
a way
ice
and
 $\frac{3}{4}$ miles
trees
etc

in Valley,
windbreaks
my Hotel,
30.
ring
old
ponds
& pitched
sledd on
red
sides,
several
, in
,
and with
time,

March 30, 1941, To Hopenell Gap with K.
Parked between Ovens & Costello properties.
walked past Riley cabin now owned by
Mr. & Mrs. Pitch of Alexandria (116 acres of land
including high broomedge field). Collected
rock lichens on ridge east of High Point
ridge here. walked 3 $\frac{1}{2}$ miles by pedometer.

April 6, 1941, To Hopenell Gap with T. walked
up trail to High Point Cliffs theme back at
foot of cliff - covered 4 $\frac{3}{4}$ miles
by pedometer. Light sprinkle in afternoon.

April 13, 1941, To Hopenell Gap, parking
between Ovens & Costello properties.
walked down road to first point
near end of middle ridge theme to
chestnut tree spring, mistletoe, then
up the ridge and along its crest to
Harris quarry then down road way
to a point near Ashby's down road,
to a point near Ashby's down road,
eroded road way, and across the
ridge crest of chestnut tree spring
to car, walked 6 $\frac{3}{4}$ miles. Last
T. Found small out. Cladonia
tiangiferina on this ridge.

April 20, 1941, To the aeromatic tower
on Bull Run mt., 6 miles N. of Hopenell
Gap with K. walked to top, a distance
of about $\frac{3}{4}$ mile from highway. walked
about 2 miles in total. Temp at
top shade = 90° F. Official for shade. 94°

May 25, 1941, To Bull Run mt. with T.
Parked at Costello's - ie junction of
601 with 628, walked west to high pastures
S. of Hopenell - Broad Run highway
to wild apples, theme N. and N. E.
to point west of White Rocks, theme
to White Rocks, to Harris quarry, and
on 628 to car, a distance of 7 $\frac{1}{2}$ miles
by pedometer. Found several trees
of Populus deltoides near white
Rocks. See # 8689.

May 29, 1941 Leave for Canaan Valley,
W. Va., Tucker Co. Eat supper in Windham,
at 6:40, stop over in New Century Hotel,
Romney. Drive to Davis May 30.
Romney. Drive to Davis, W. Va., leaving
walk from Davis along old
11 A.M. with 60 lb. pack along old
lumber railroad bed to beaver ponds
8-9 miles east of Davis where I pitched
tent, arrived here at 4 P.M. slept in
ground night of May 30. walked
back to Davis May 31, with 60 lbs.,
back to Davis May 31, with 60 lbs.,
peanut mess etc. Collected Orixaena
standishii on this trip, in
standishii where I pitched tent,
swam here

June 6, 1941, To Shad mt. south end with
A.B. Dorney, walked to top and return,
walking 3 $\frac{1}{2}$ miles. Returned via
Powell's First Valley road.

March
parked
walked
In. & S.
inclined
rock &
ridge
April 6
up trail
found a
by ledges

April 13
between
valleys
near ex
Chester
of the
Harris.
to a pos
eroded
ridge in
to car
T. Torn
iangi
April 2
on Bull
Gap with
up about
about 2
tops she

Found Cladonia rangiferina on some
rock shelves at High Point, Jan 12, 1941,
harvest here.

le numbers with symbol & card
advised.

April 27, 1941. To Bull Run Mt., Va.; therefore
I - with the Capitol Hiking Club.
Crossed the left and right bank of
road Run below Beverly Mill for $1\frac{1}{2}$
miles then nearly to Broad Run
station above Beverly Mill. Walked
miles by pedometer collecting
any plants.

May 4, 1941. To Bull Run Mt., with T. walked
up flood plain left bank down
road Run from Beverly Mill $2\frac{1}{2}$ miles,
up on right bank, covering 5 miles
pedometer.

May 11, 1941. To Buzzard Mt., Culpepper Co.,
walked over both peaks and deep valley
between; distance by pedometer = 4 miles.

May 18, 1941. To Bull Run Mt., with K.
Walked from Castellias south to
flood, then north across
summits of White Rocks ridge, then to
arris place and return by valley
and 629, a distance of $5\frac{1}{4}$ miles by
pedometer.

